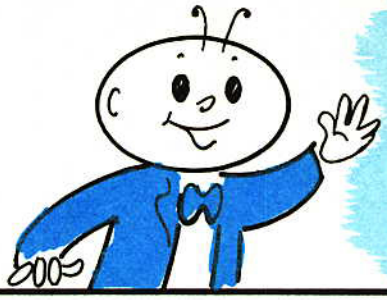

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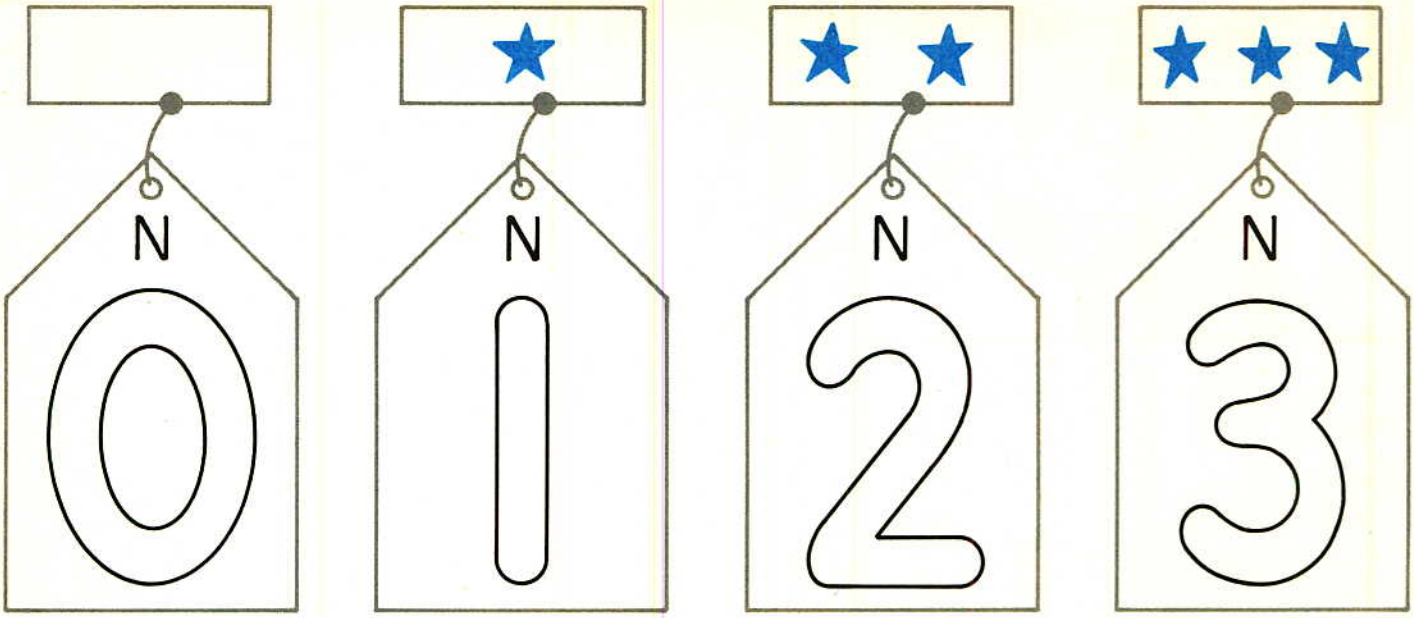

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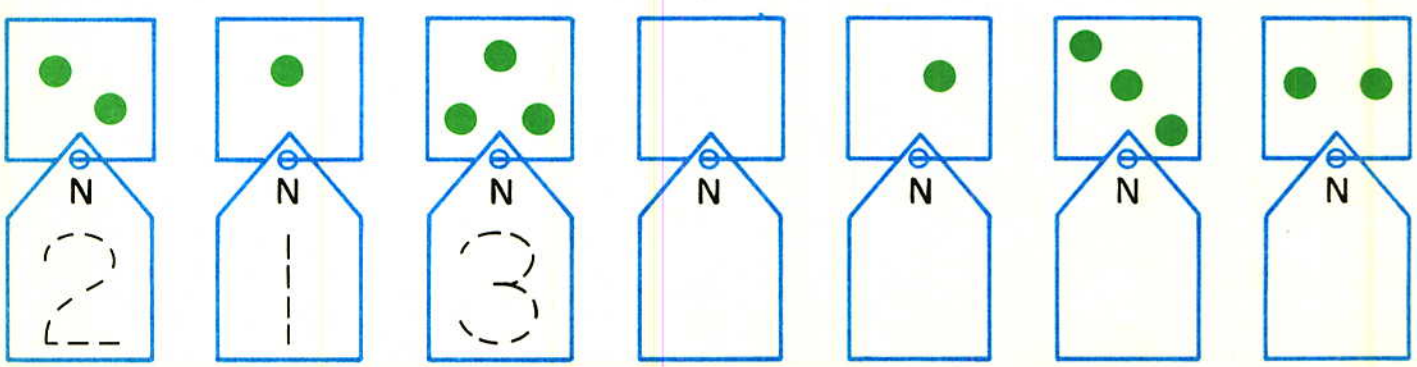

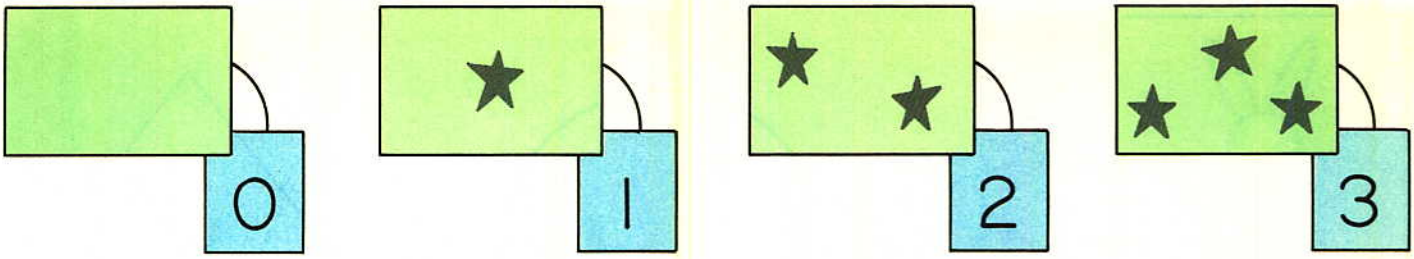

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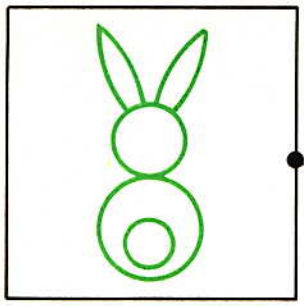

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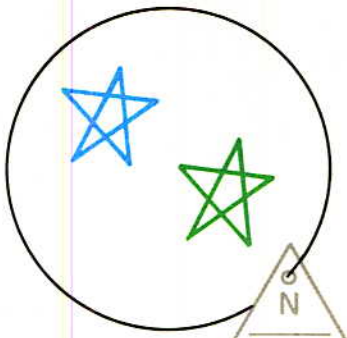

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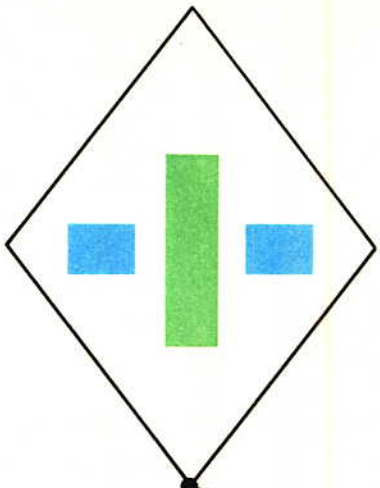

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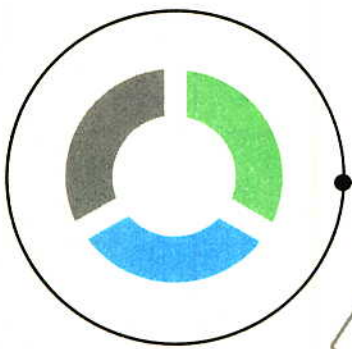

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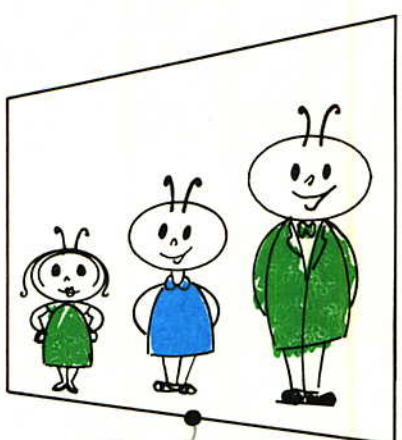

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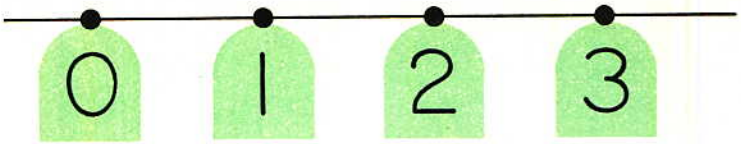
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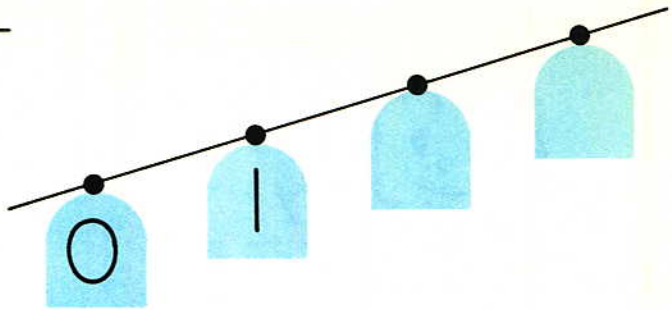
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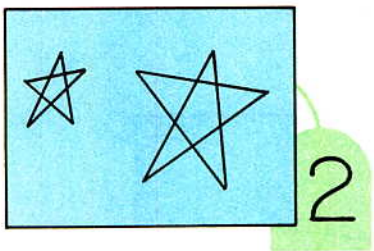
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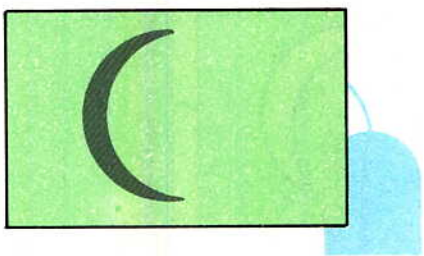

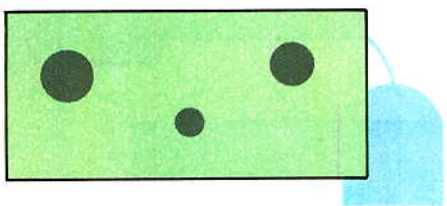

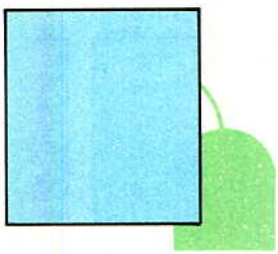

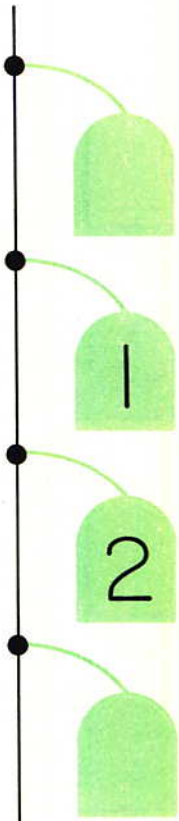
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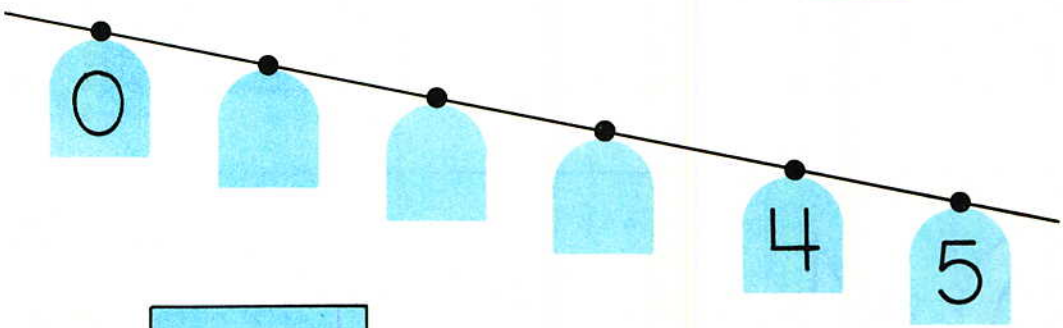
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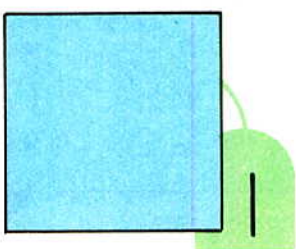
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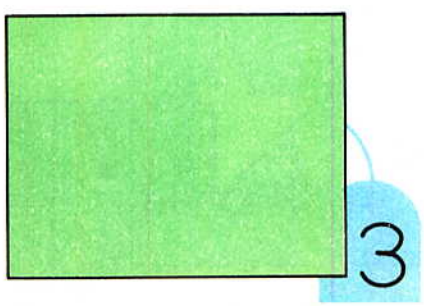
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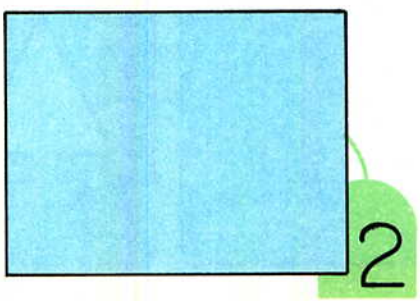
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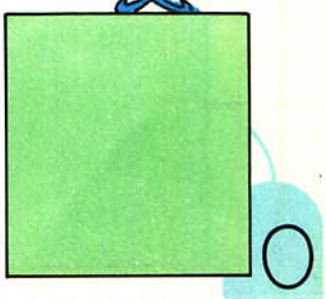
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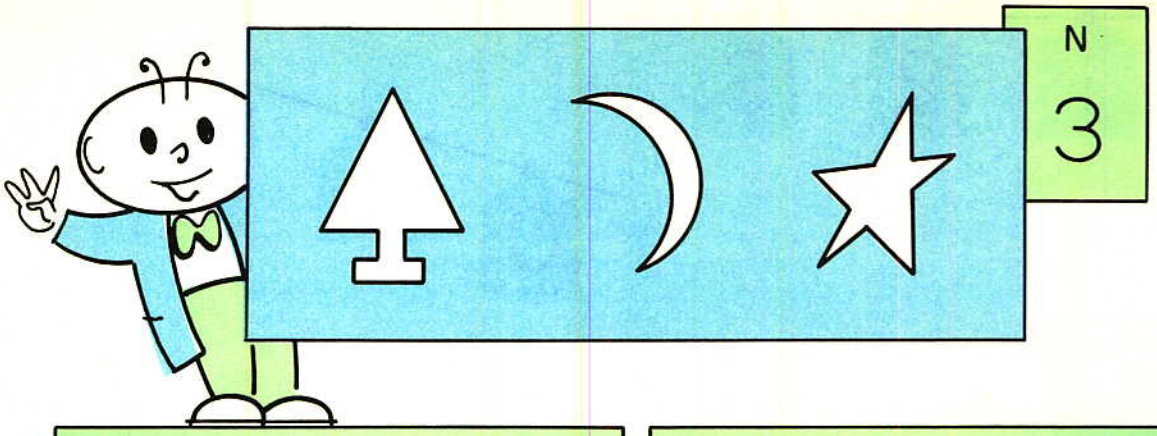
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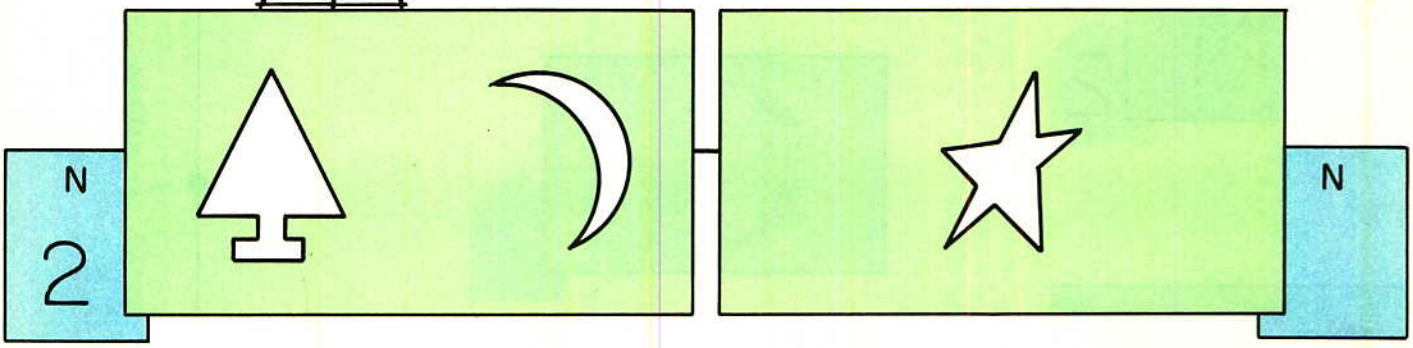
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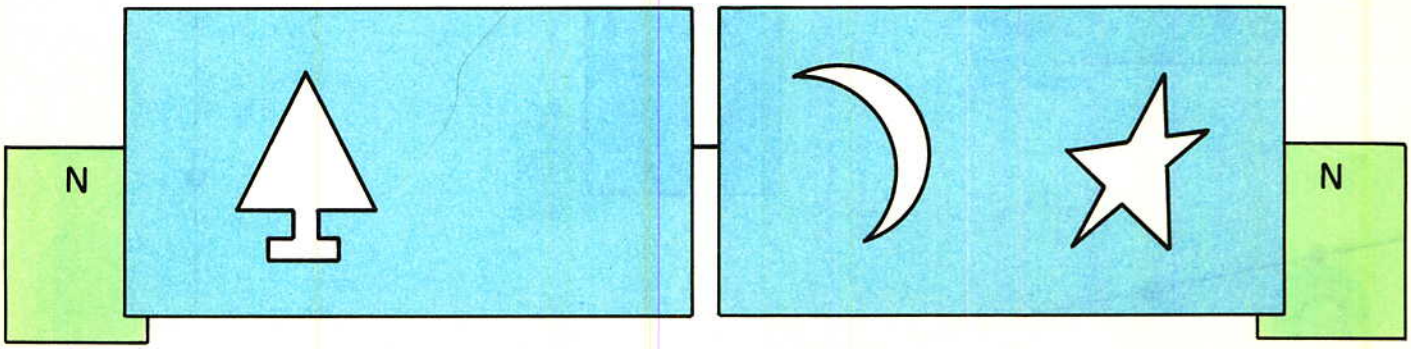
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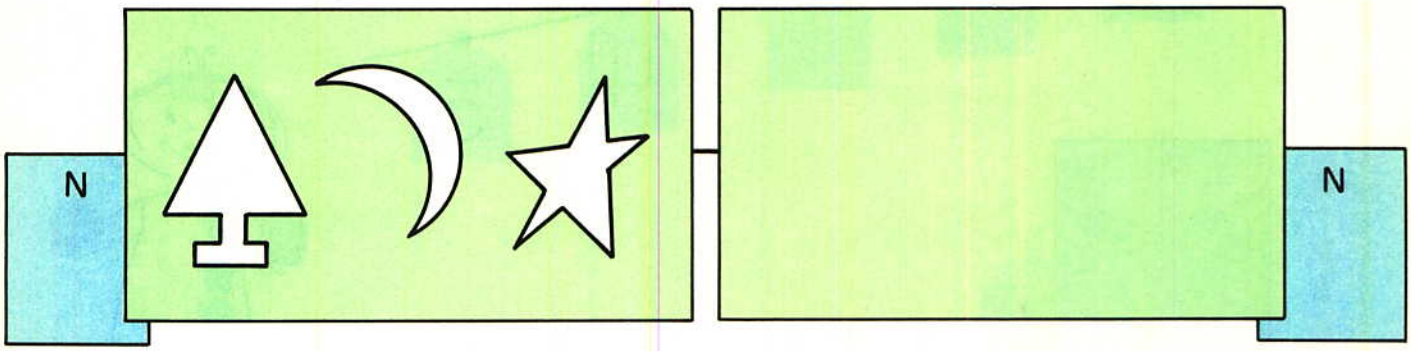
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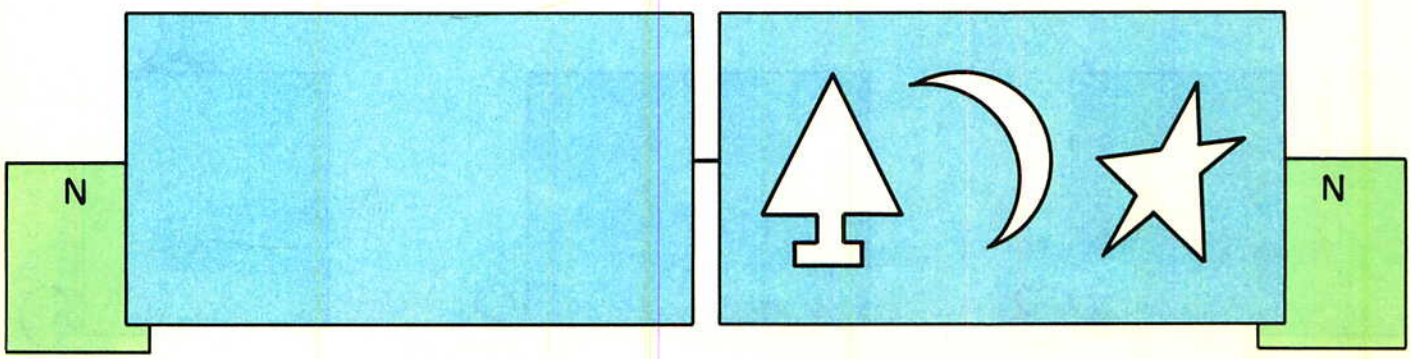
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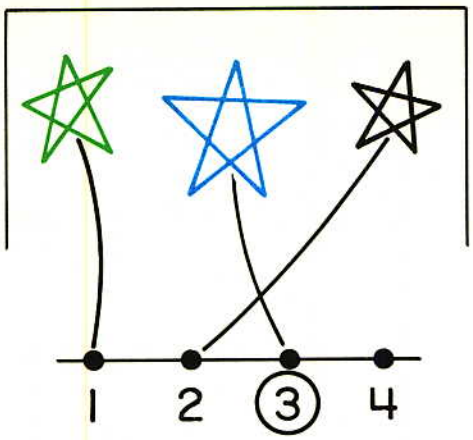
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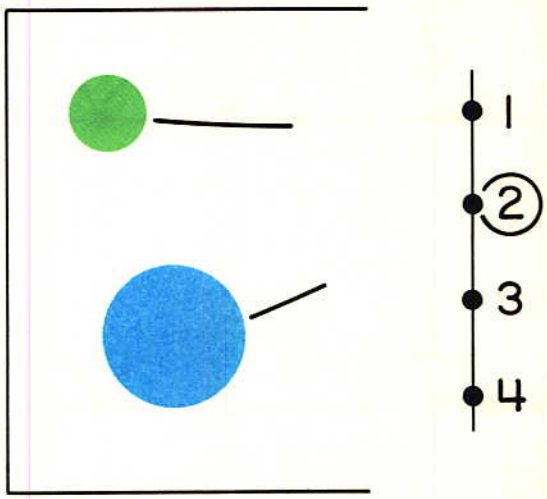
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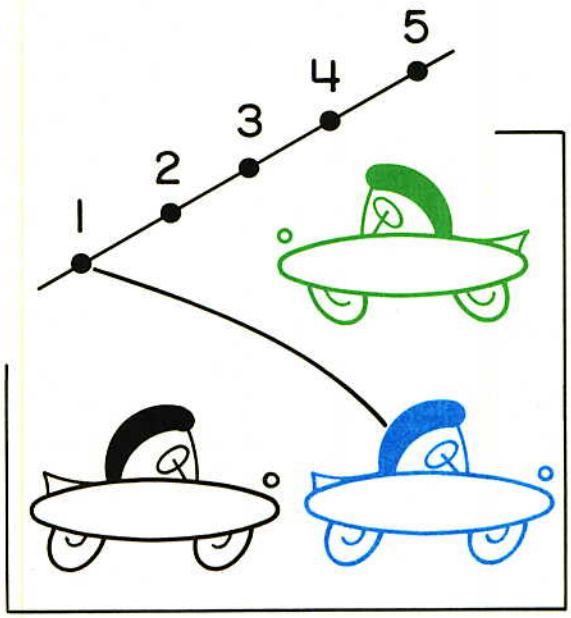
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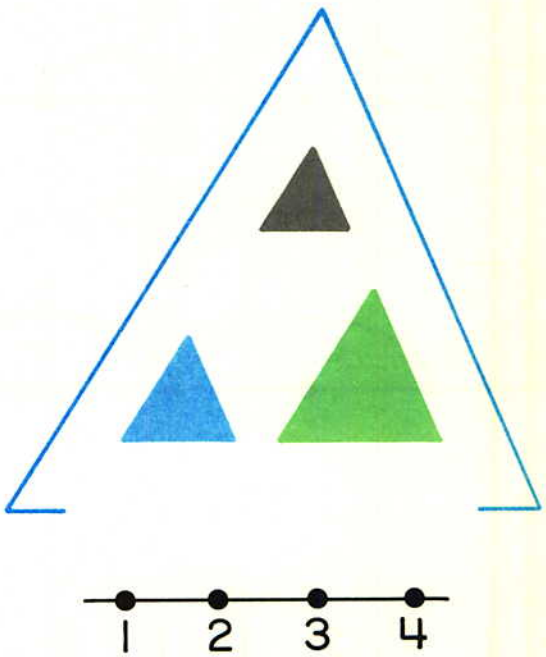
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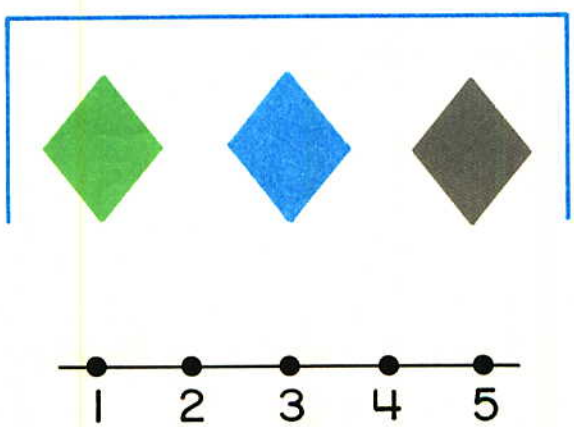
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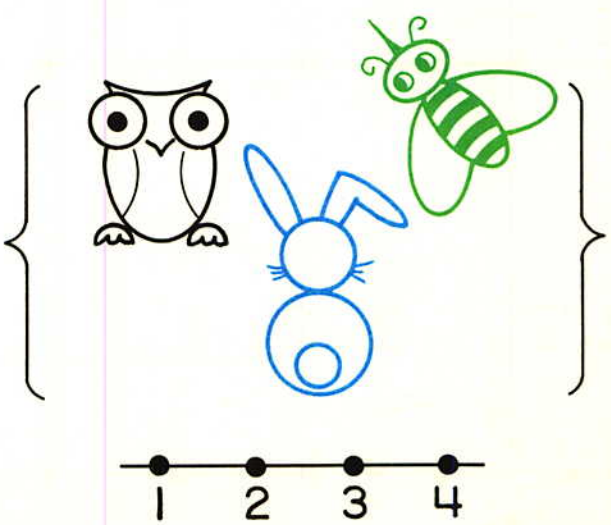
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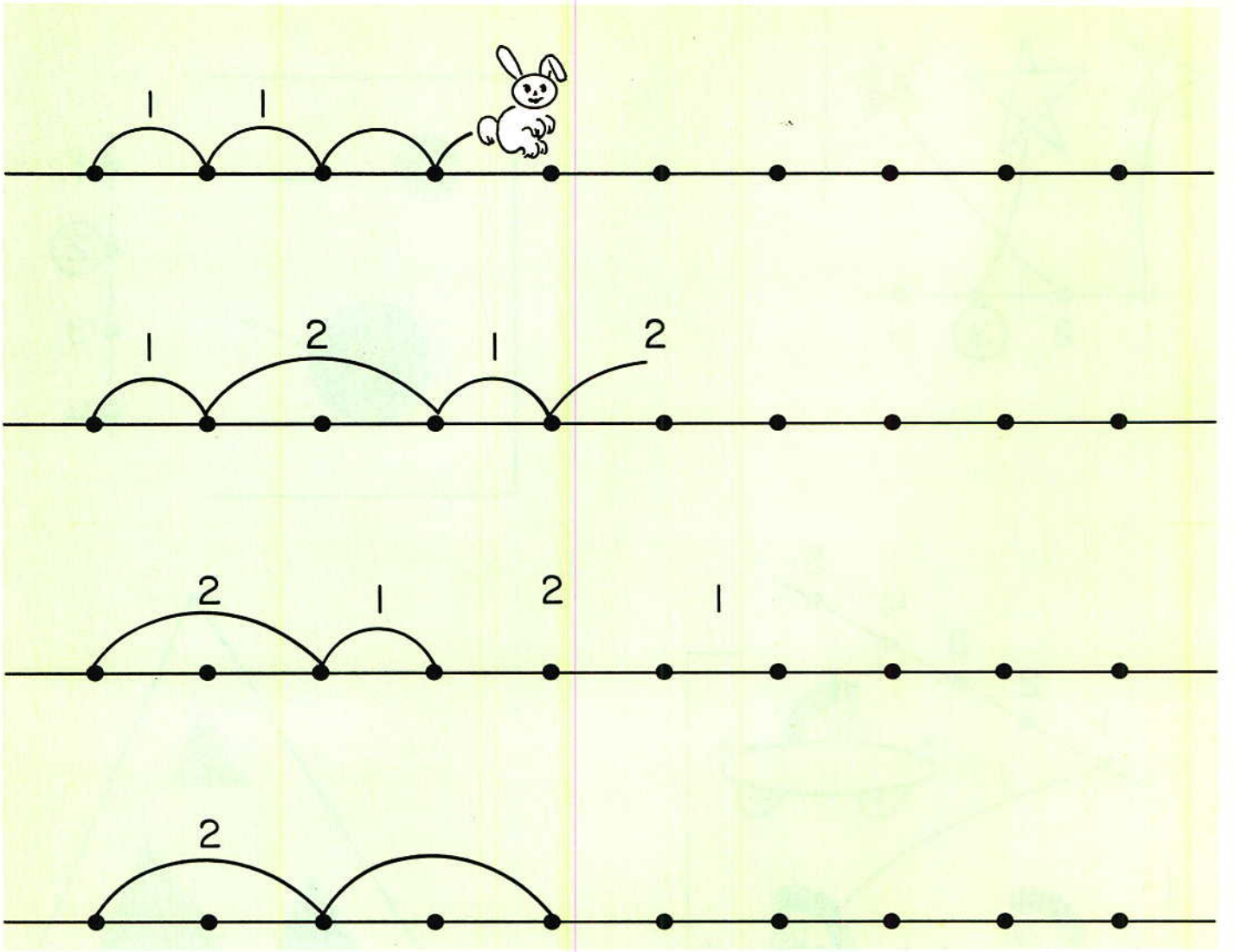

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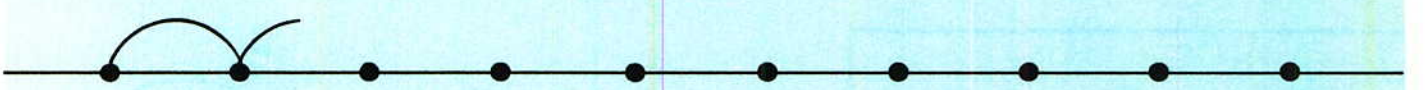

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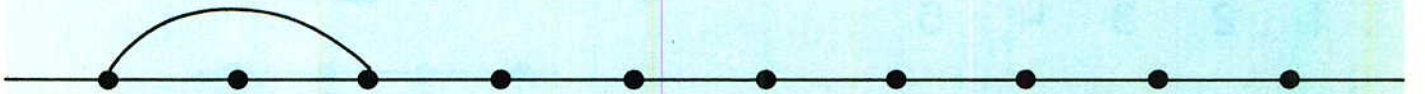

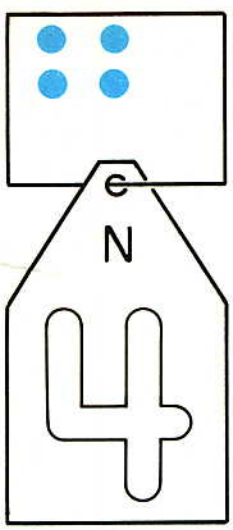

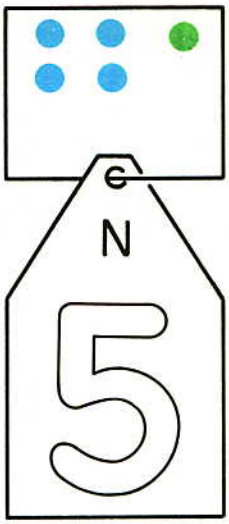

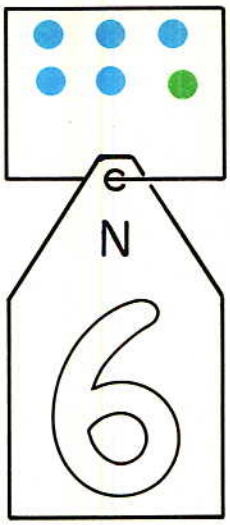

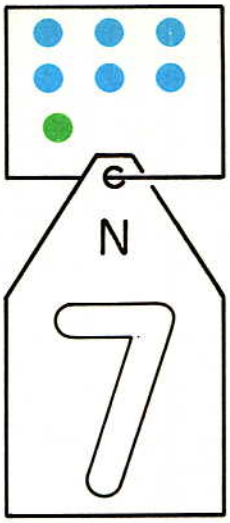

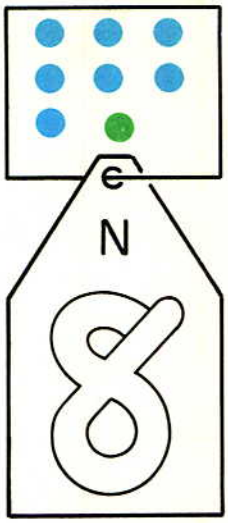

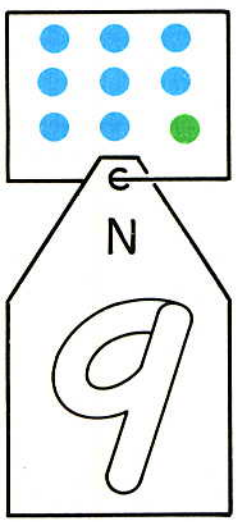

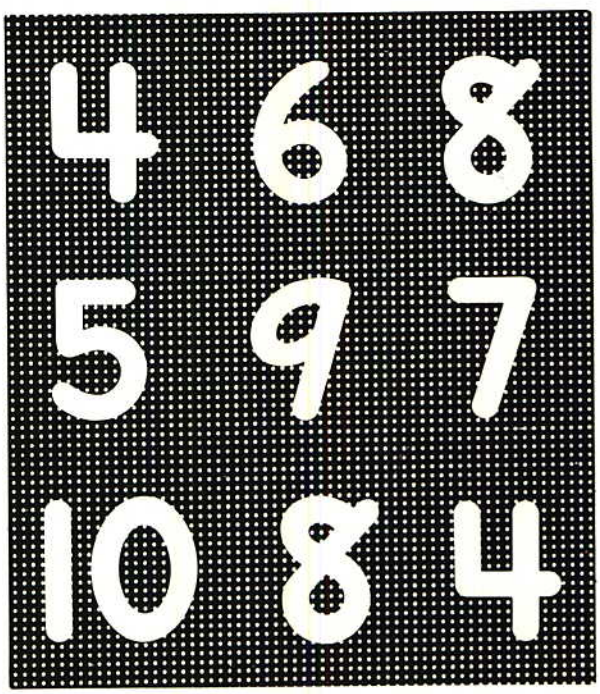

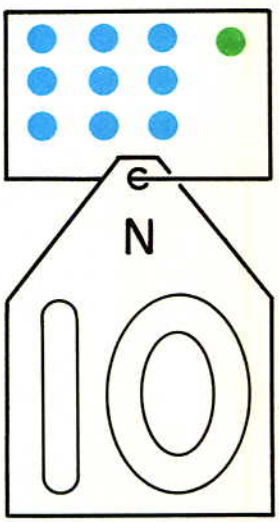

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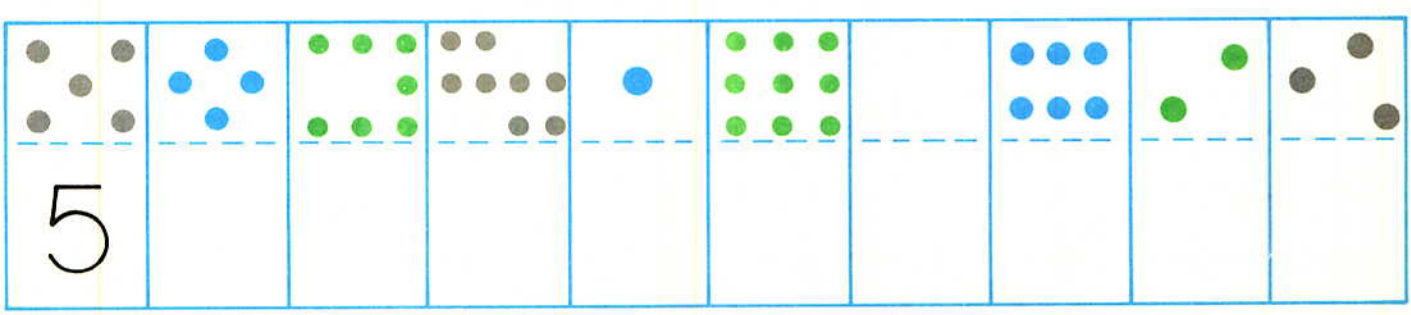

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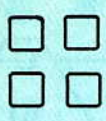
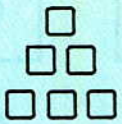
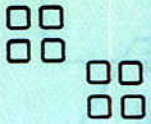
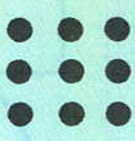
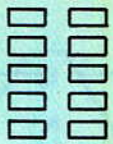
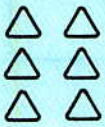
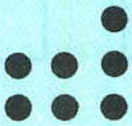
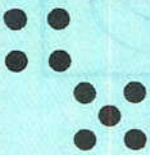
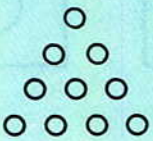
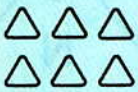
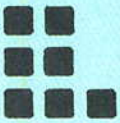
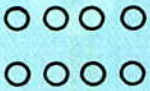
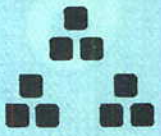
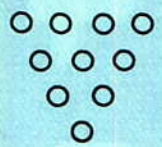
I	 4	5	 6				
II							
III							
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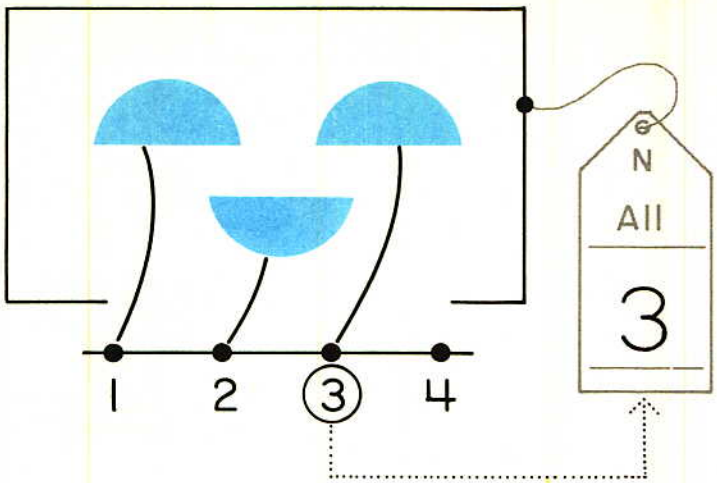
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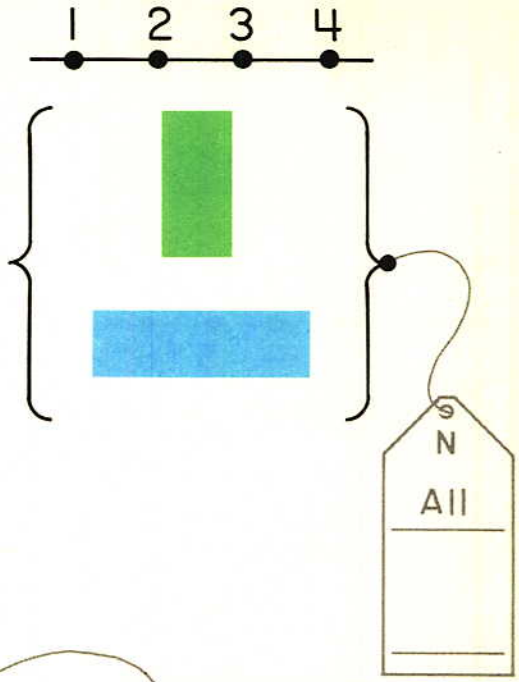
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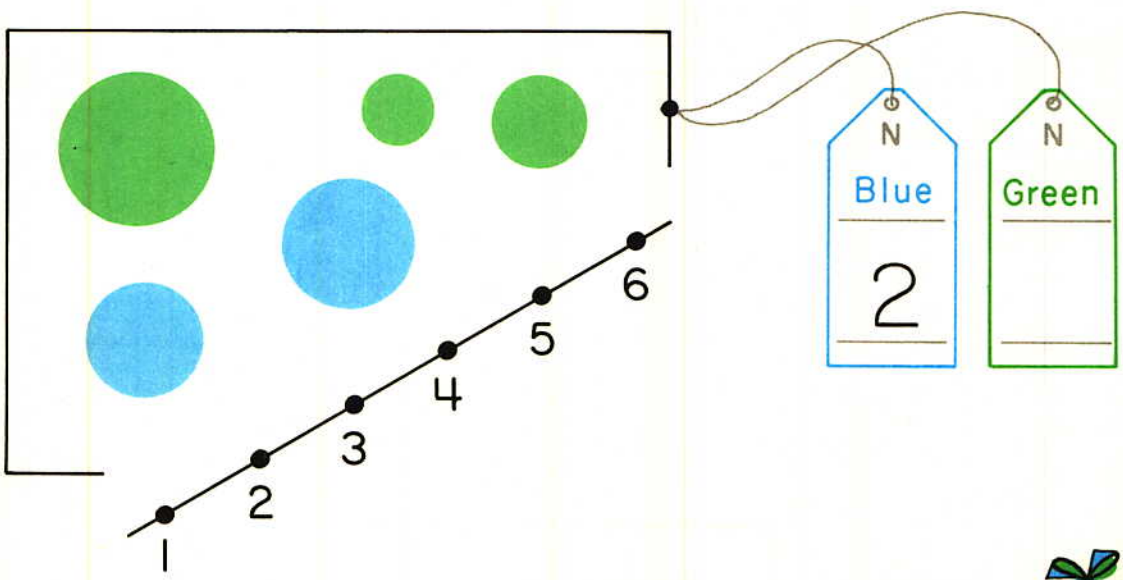
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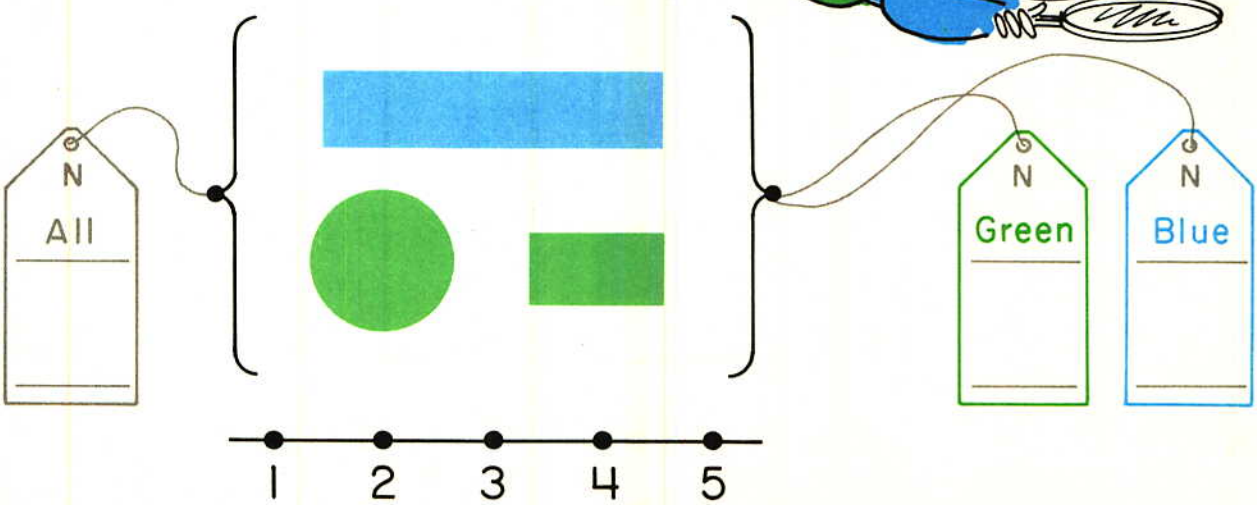
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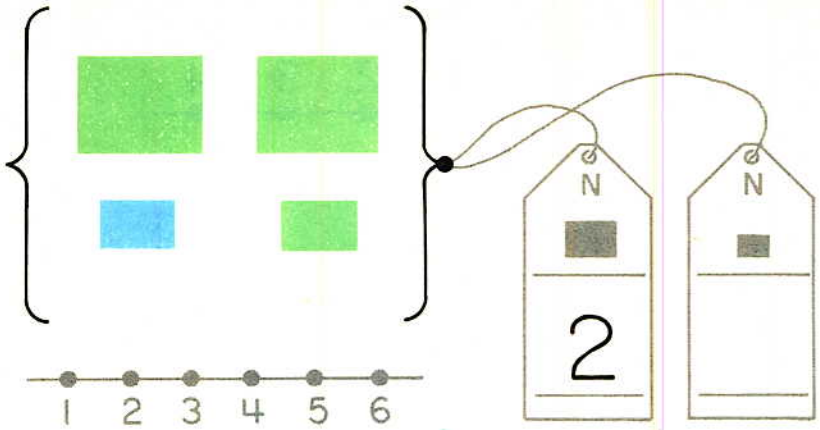
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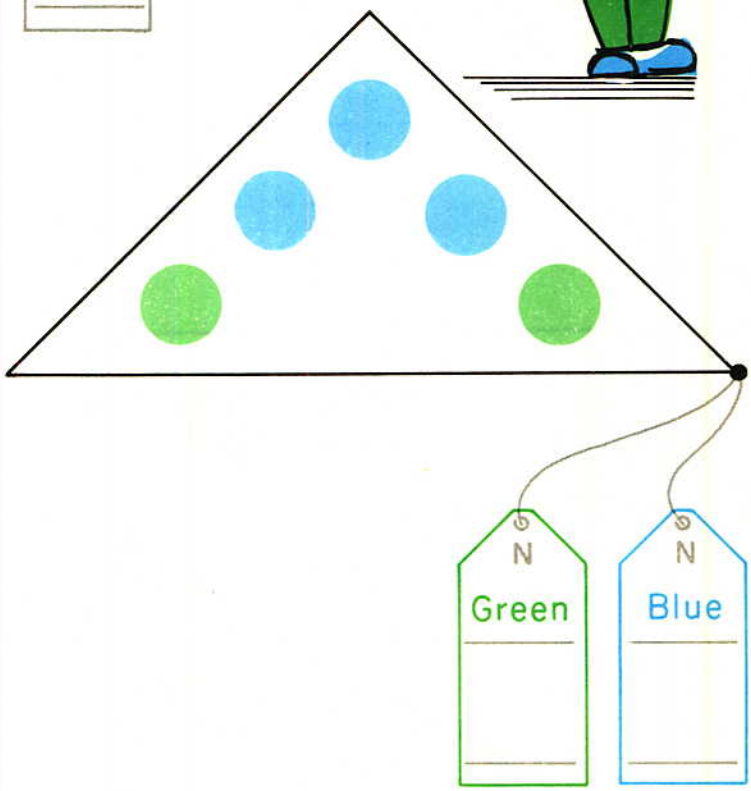
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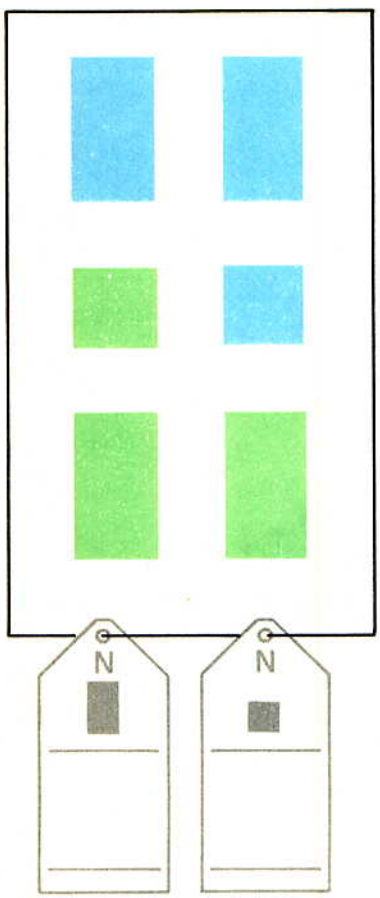
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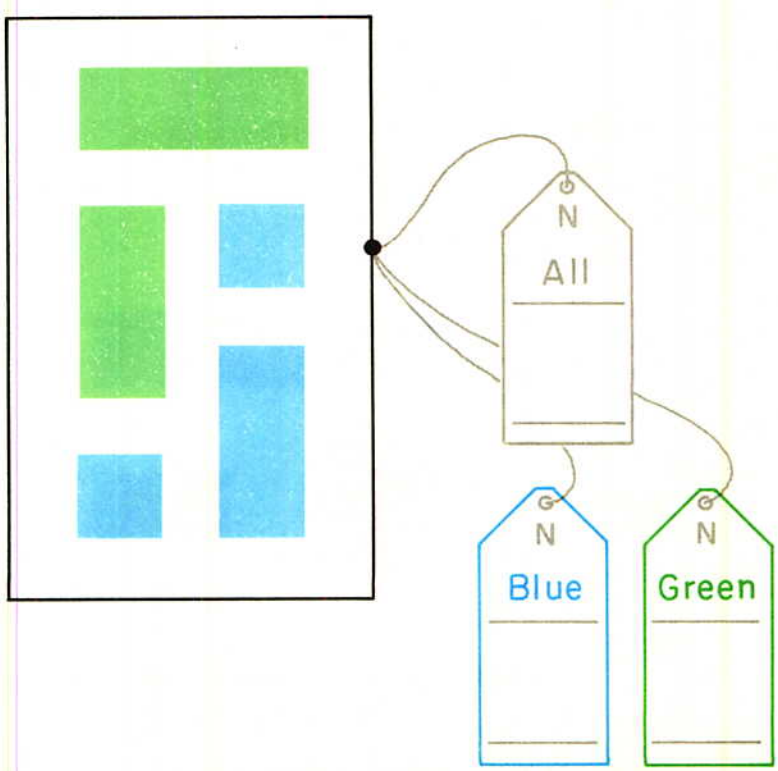
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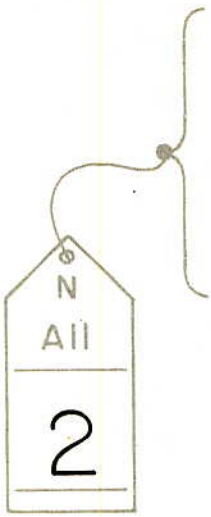
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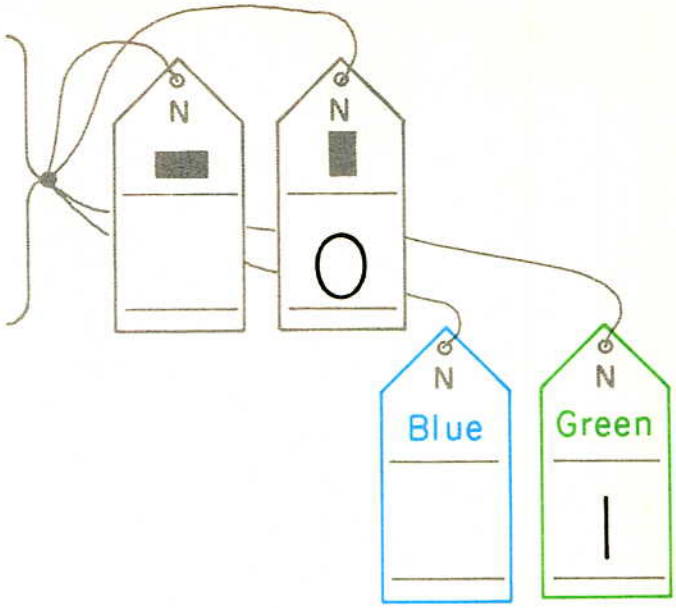
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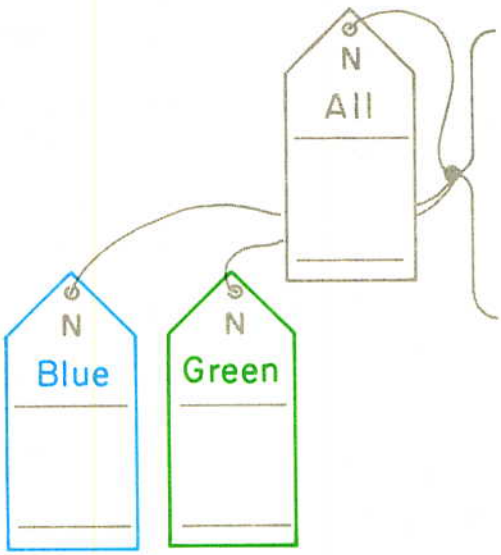
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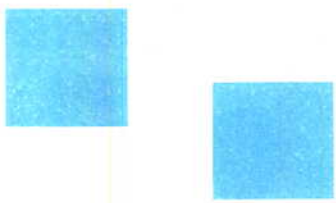

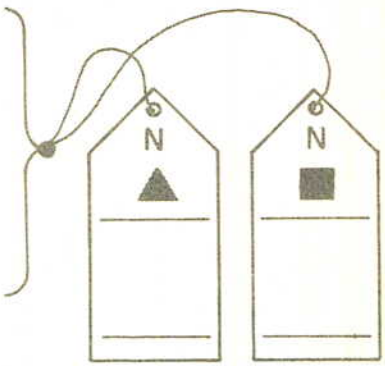
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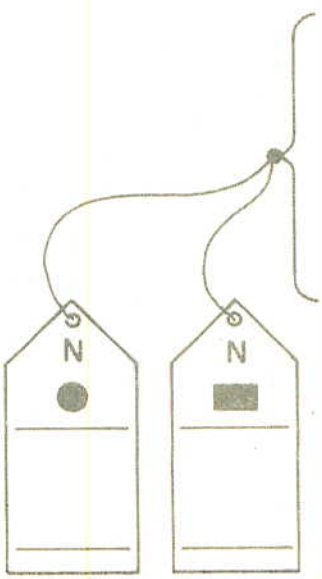
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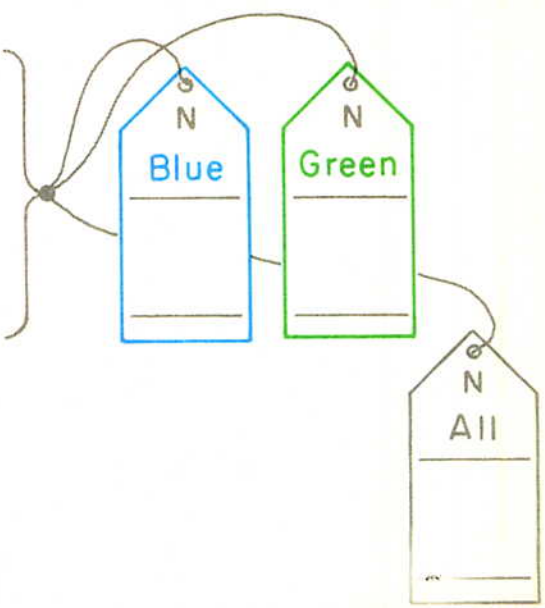
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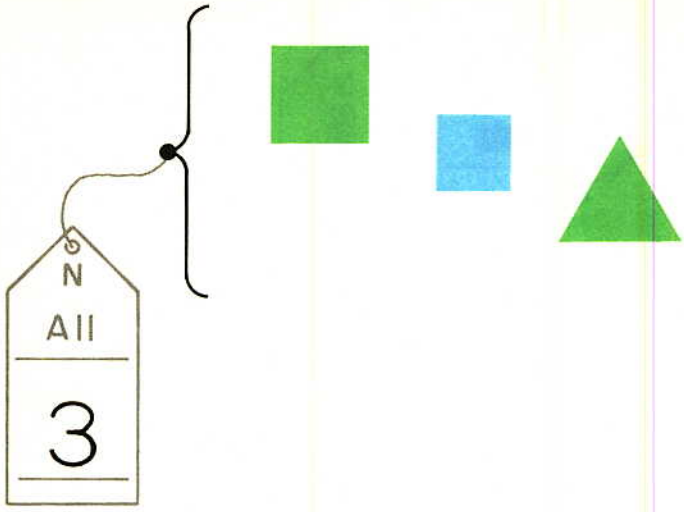
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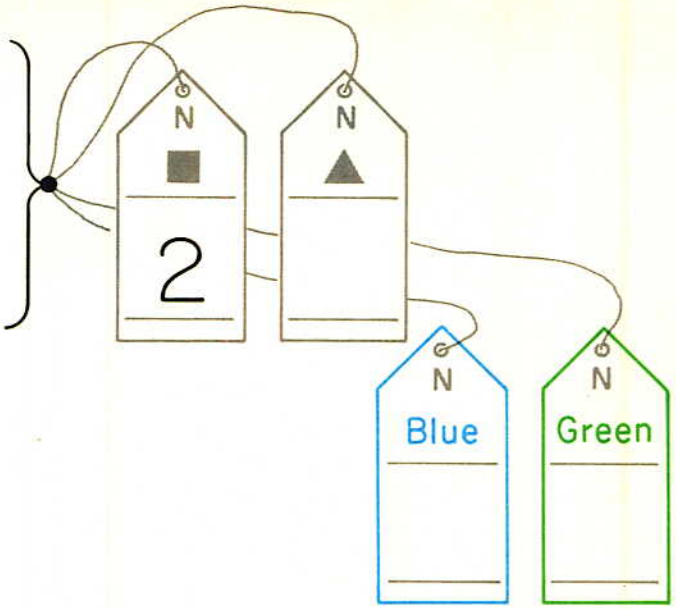
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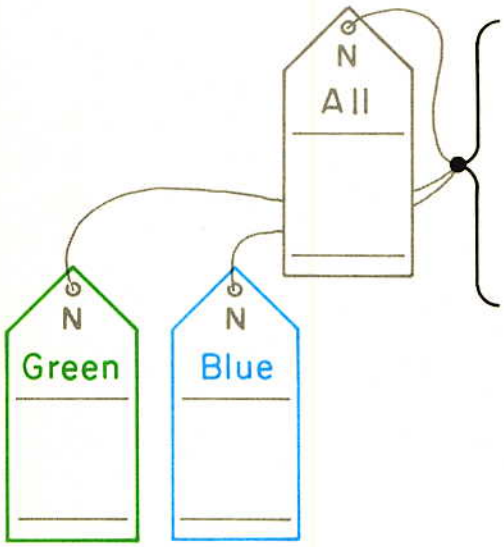
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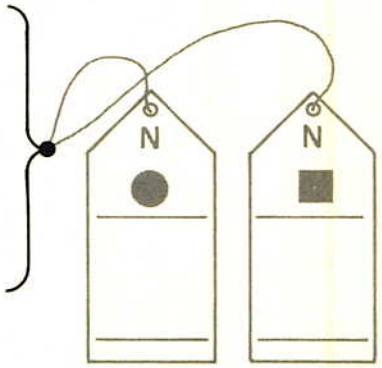
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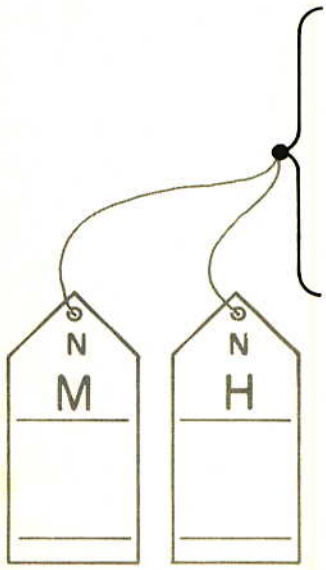
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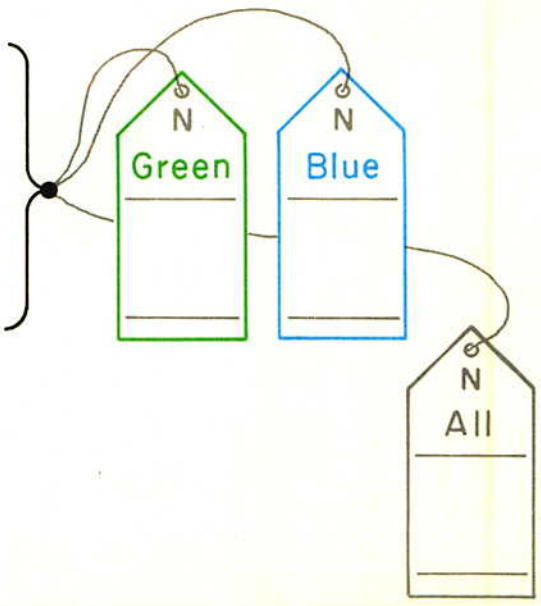
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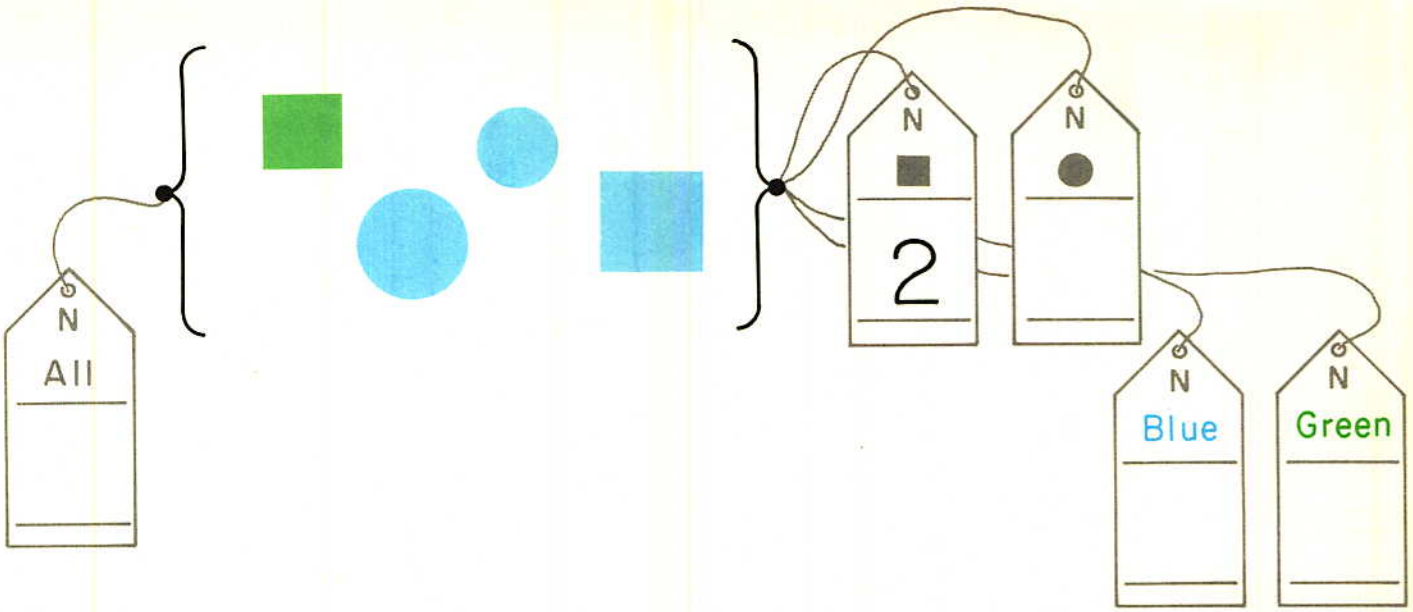
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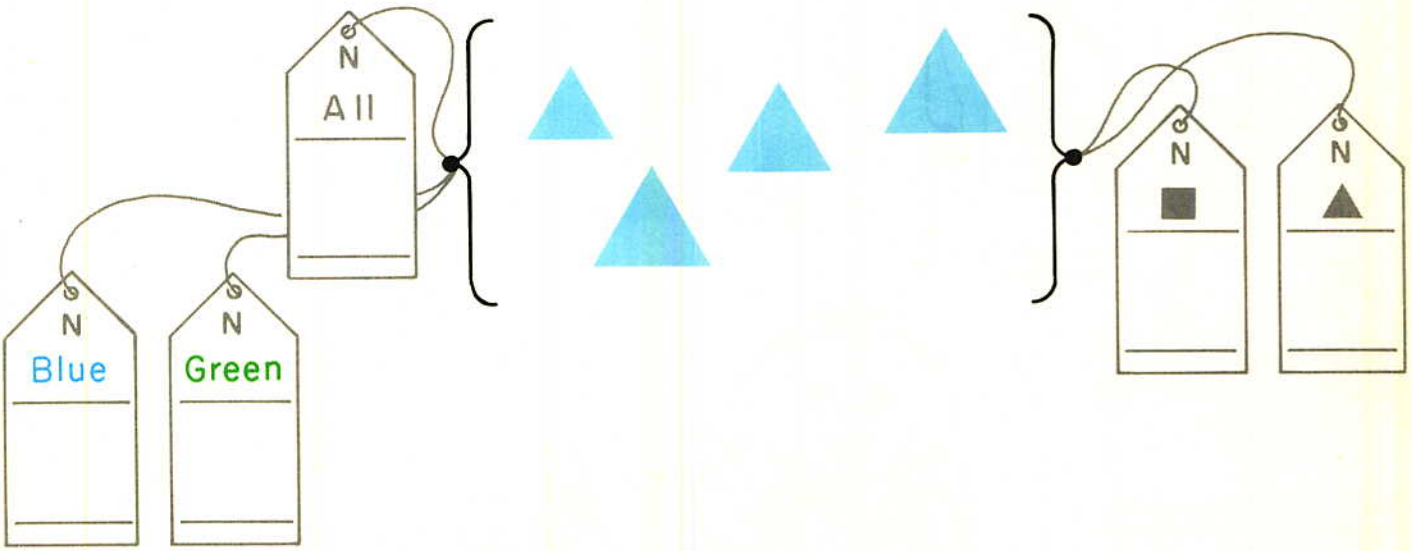
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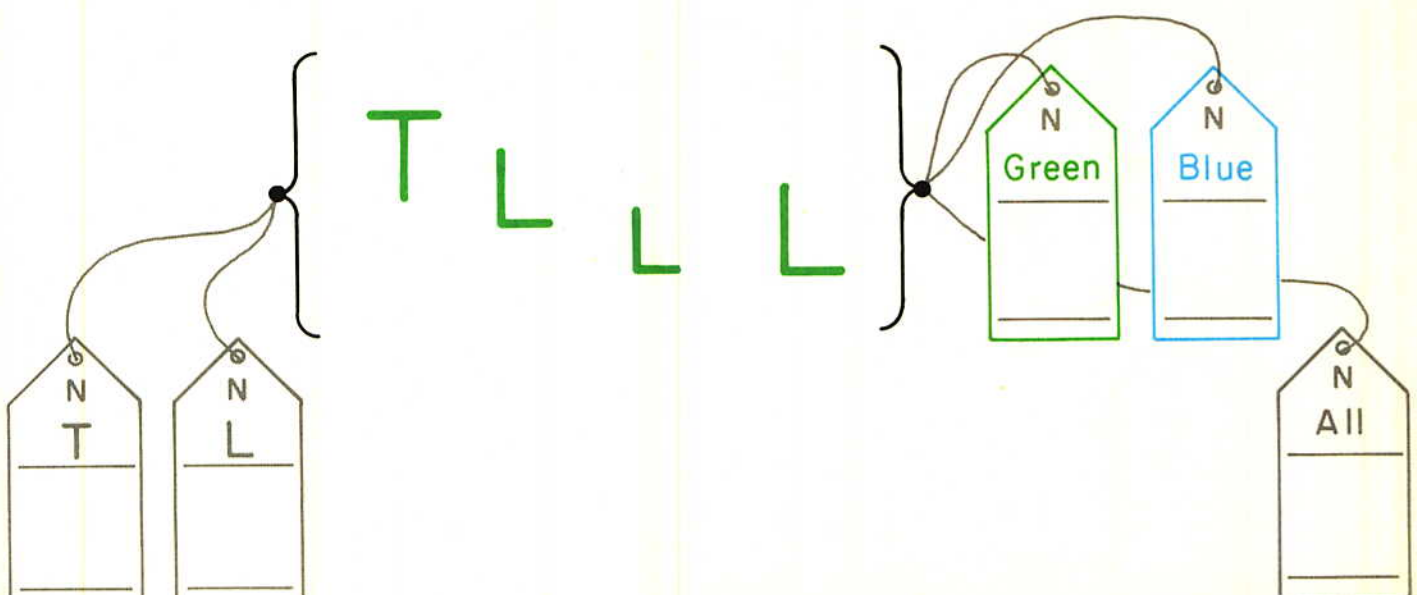
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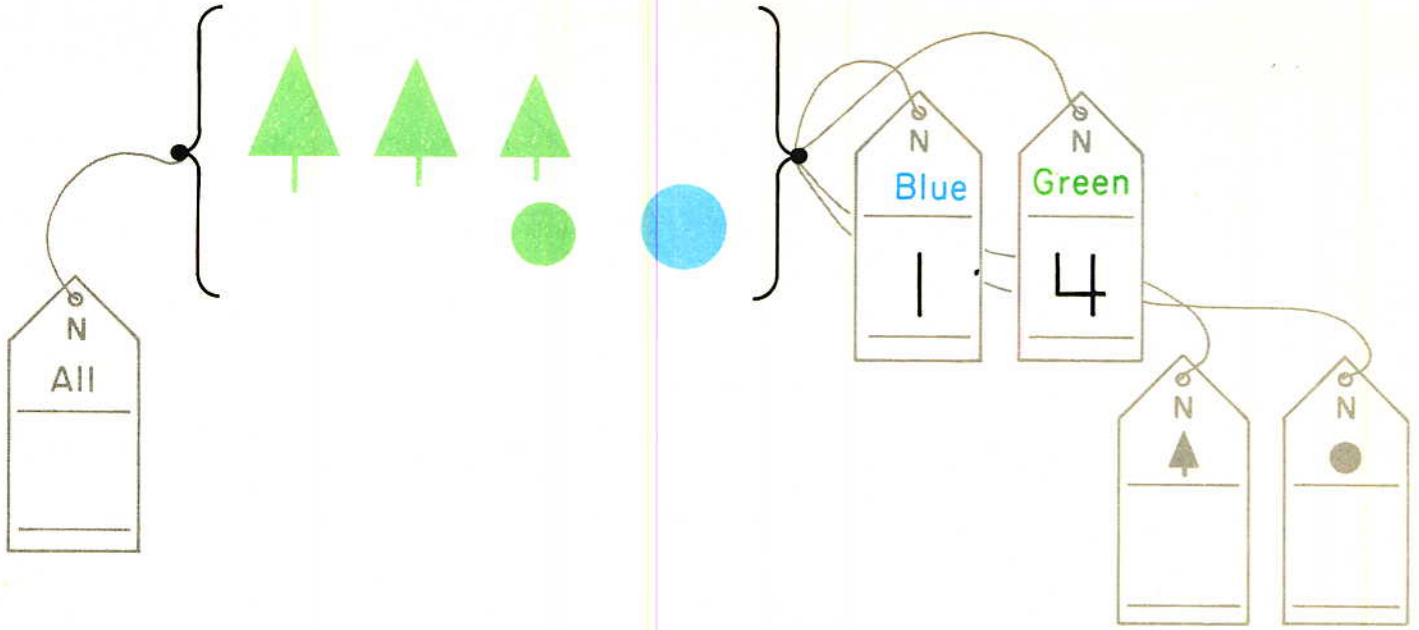
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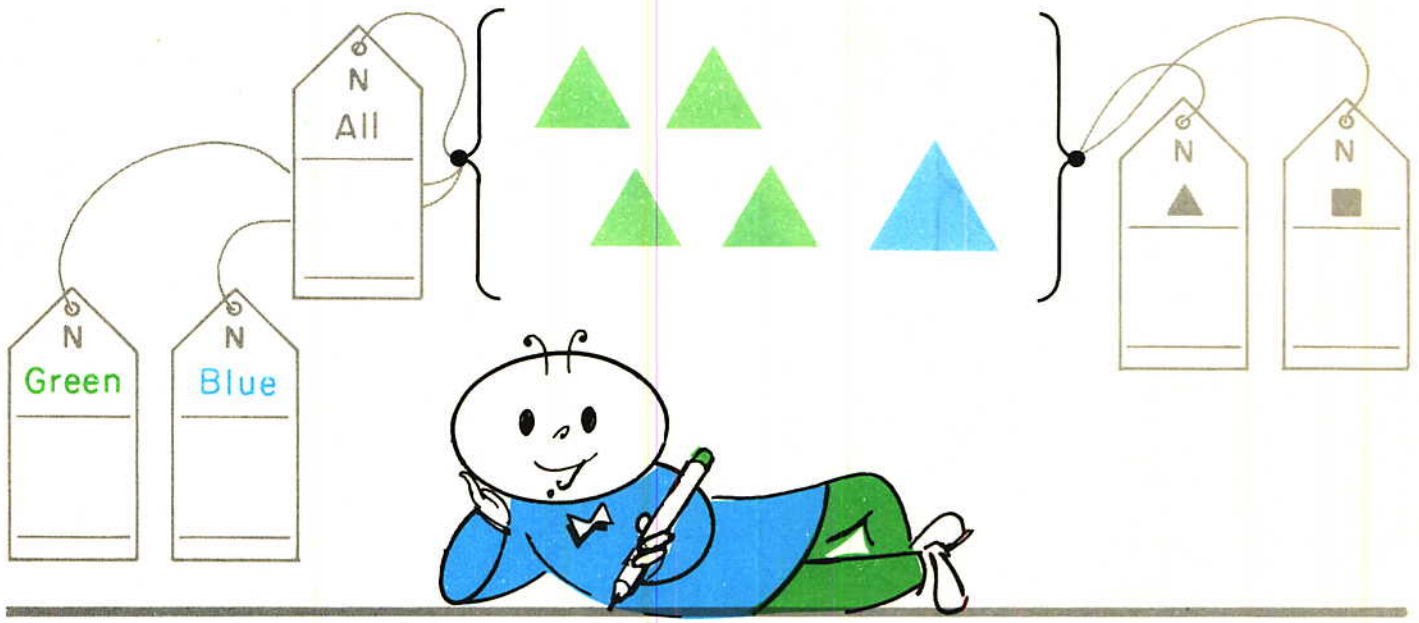
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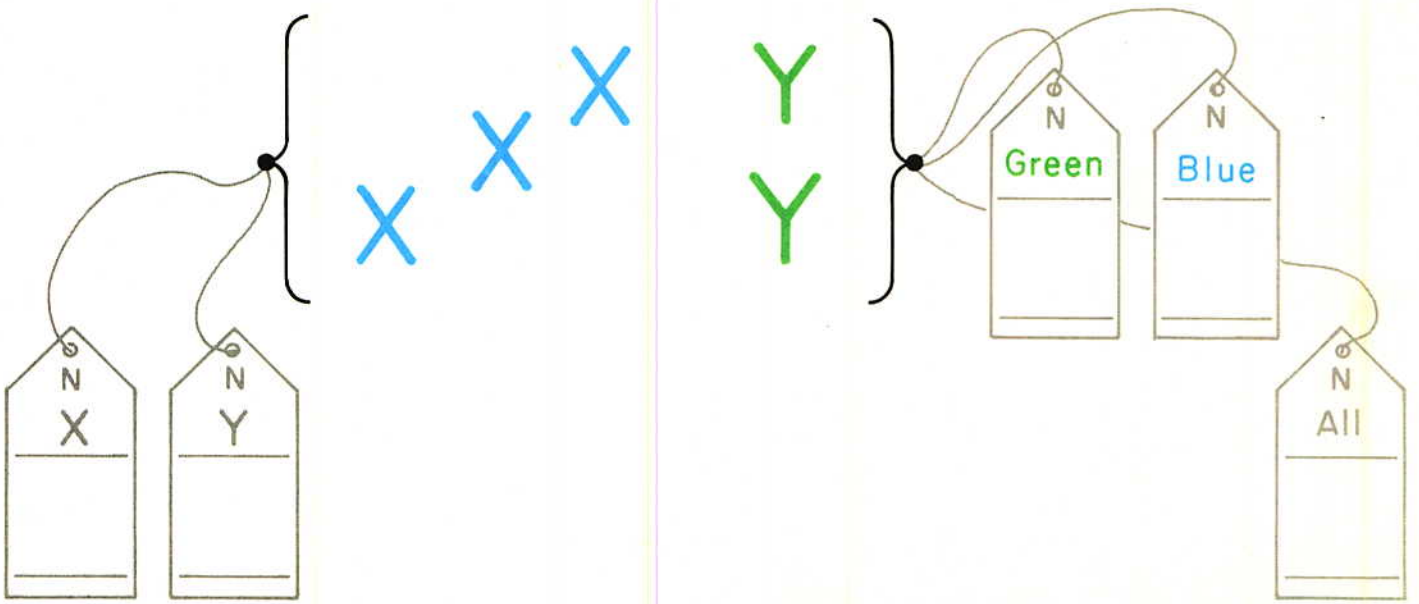
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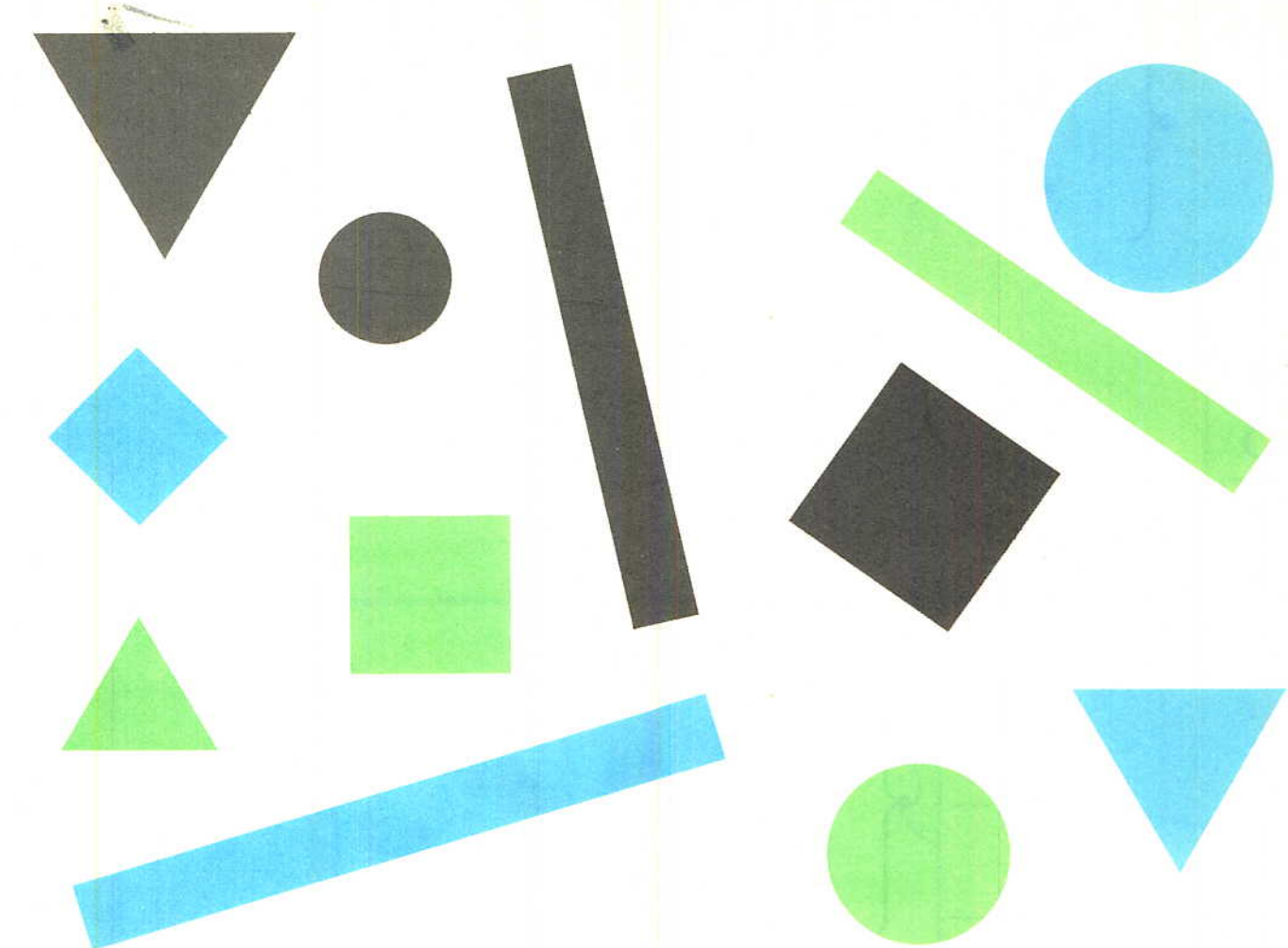

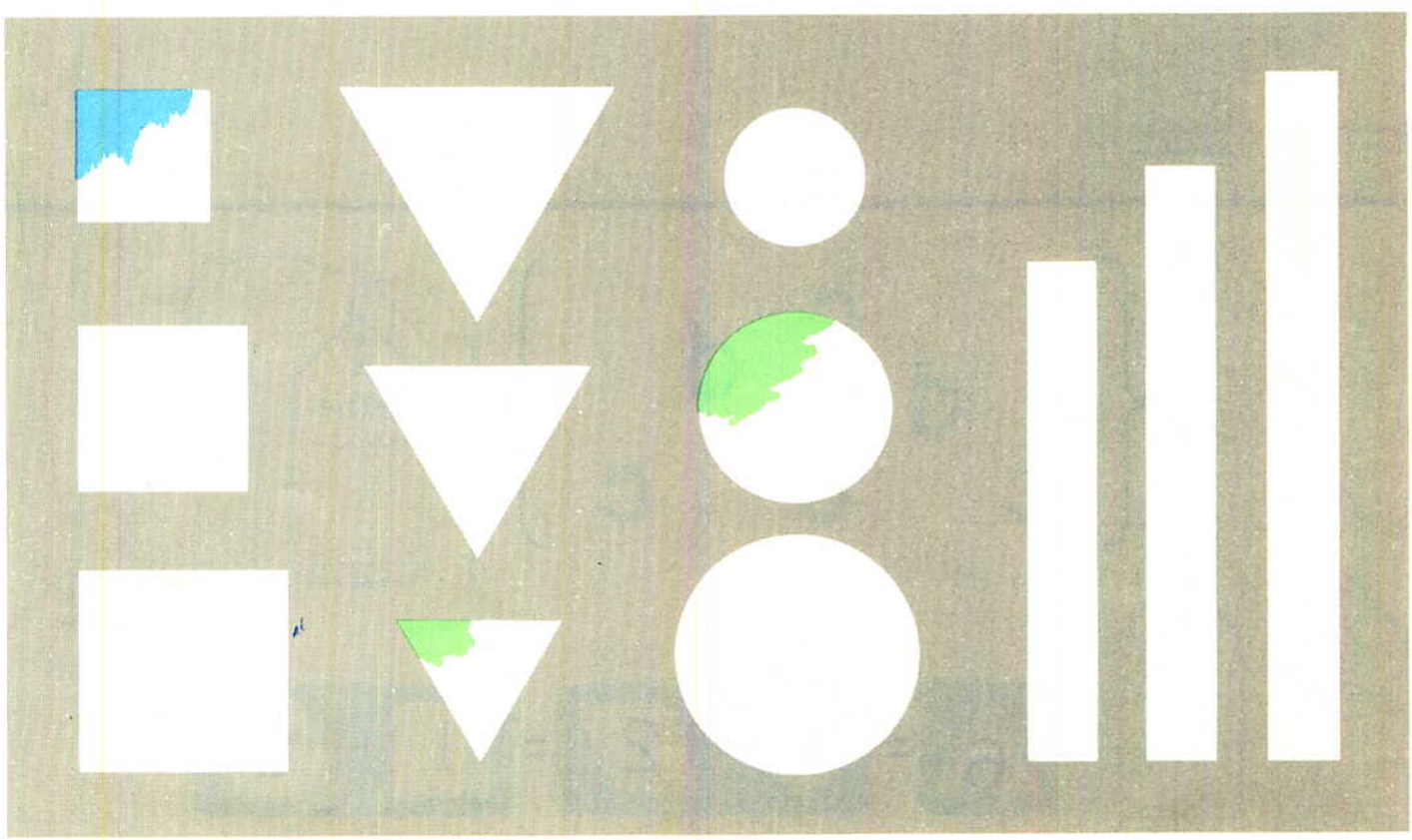

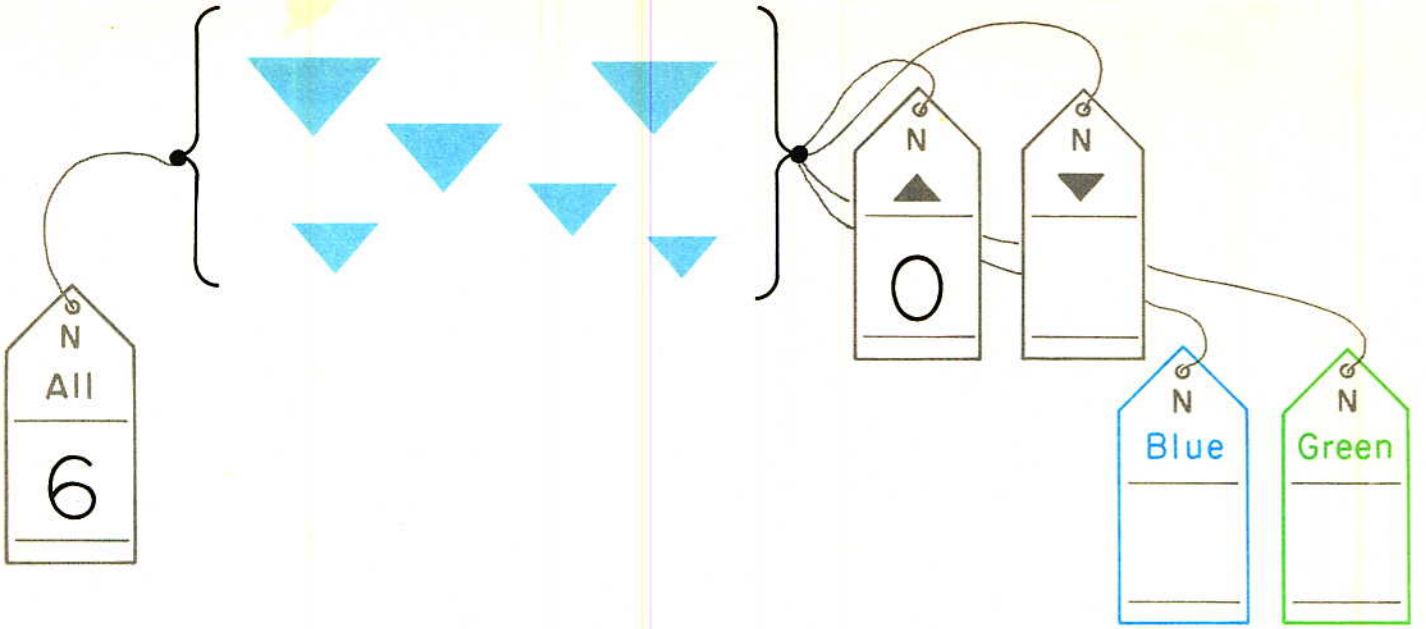
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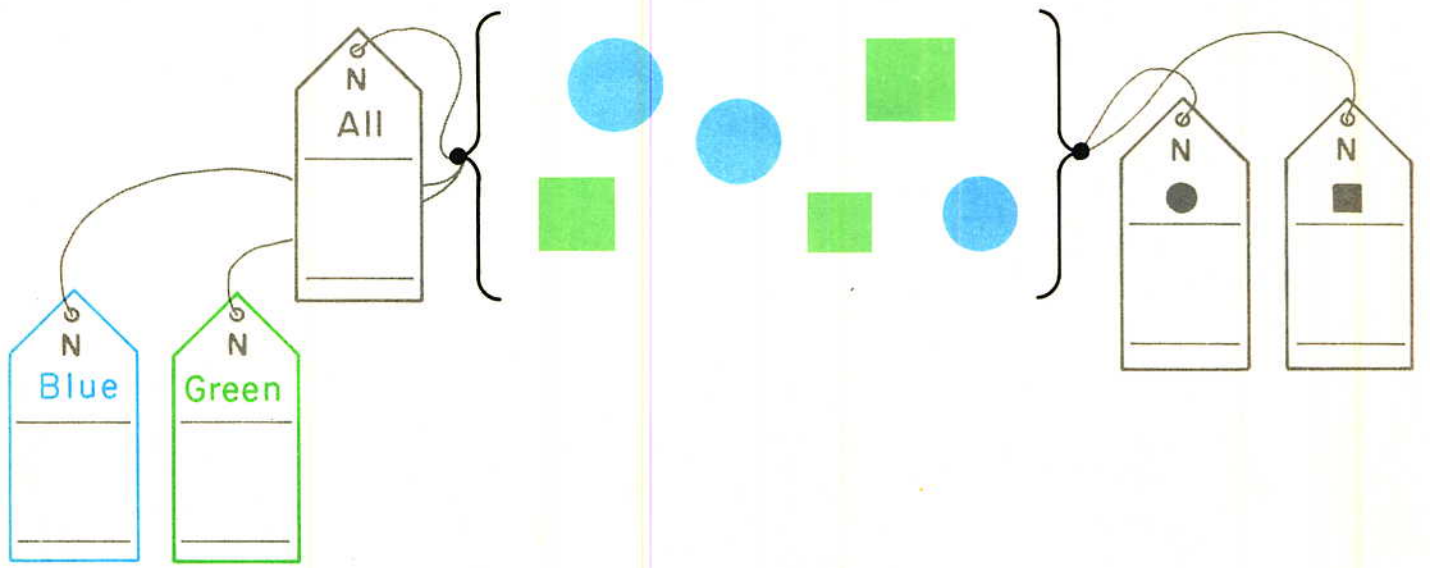
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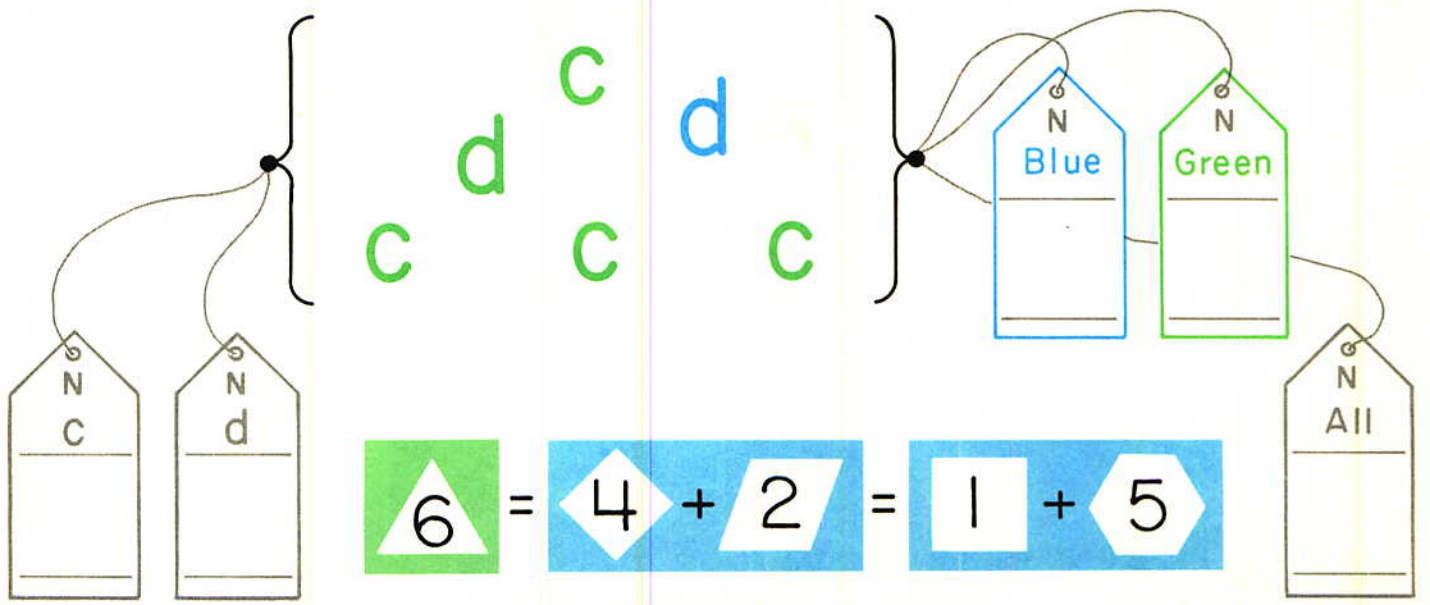
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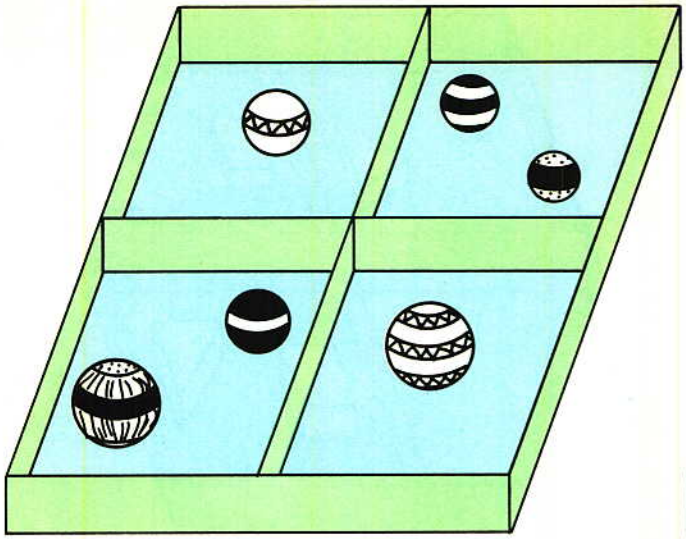

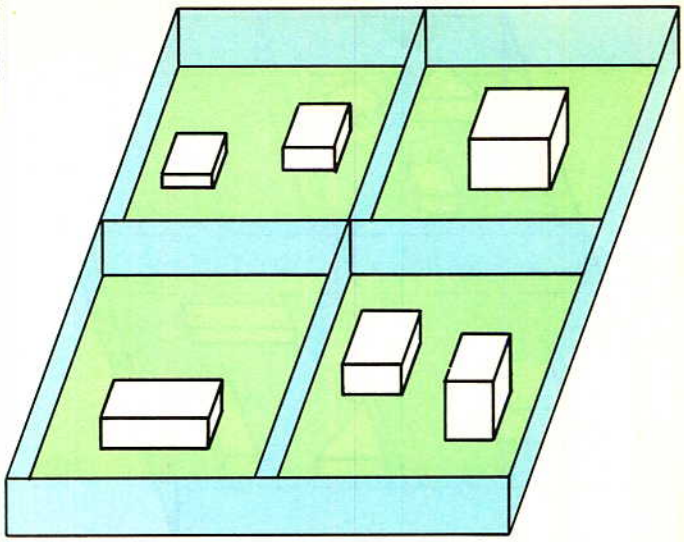

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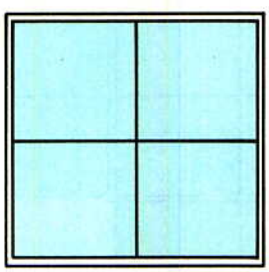

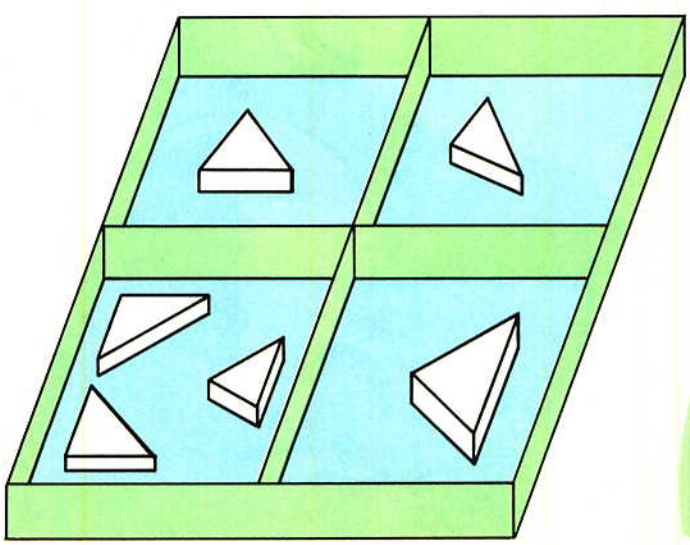

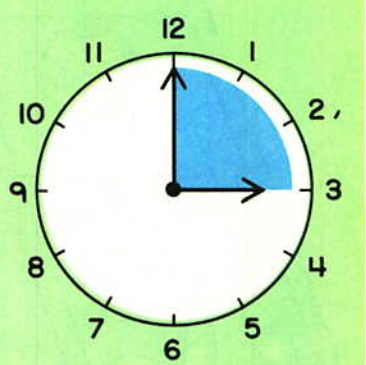

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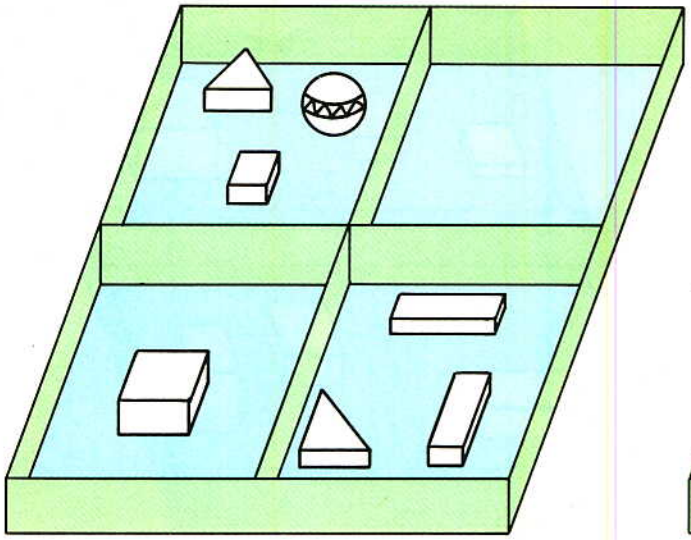

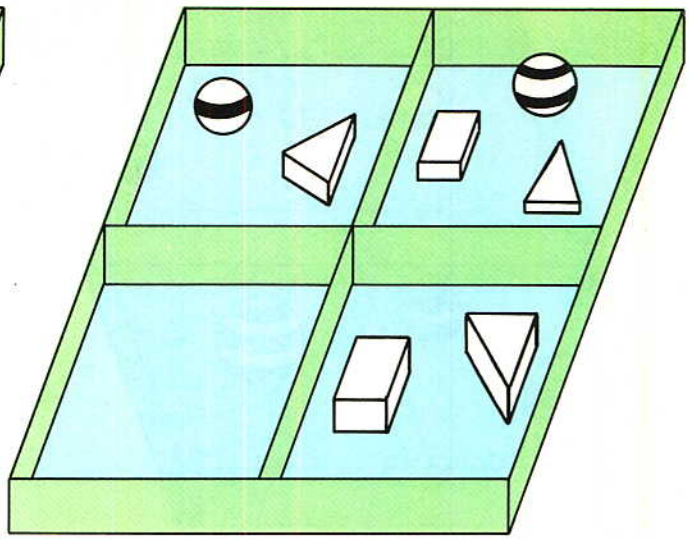

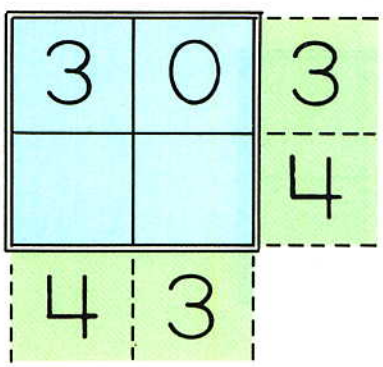
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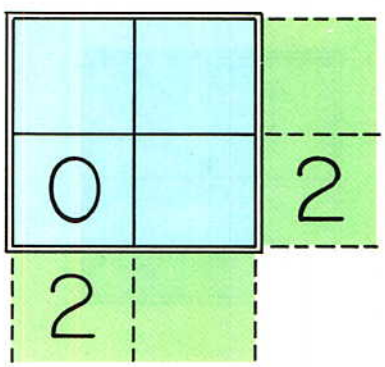
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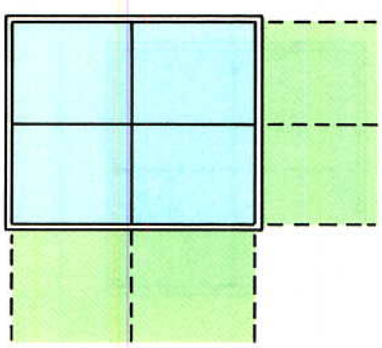

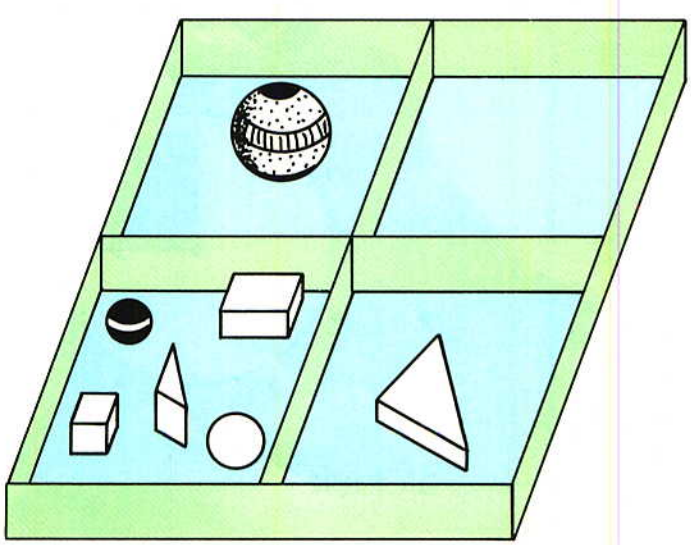

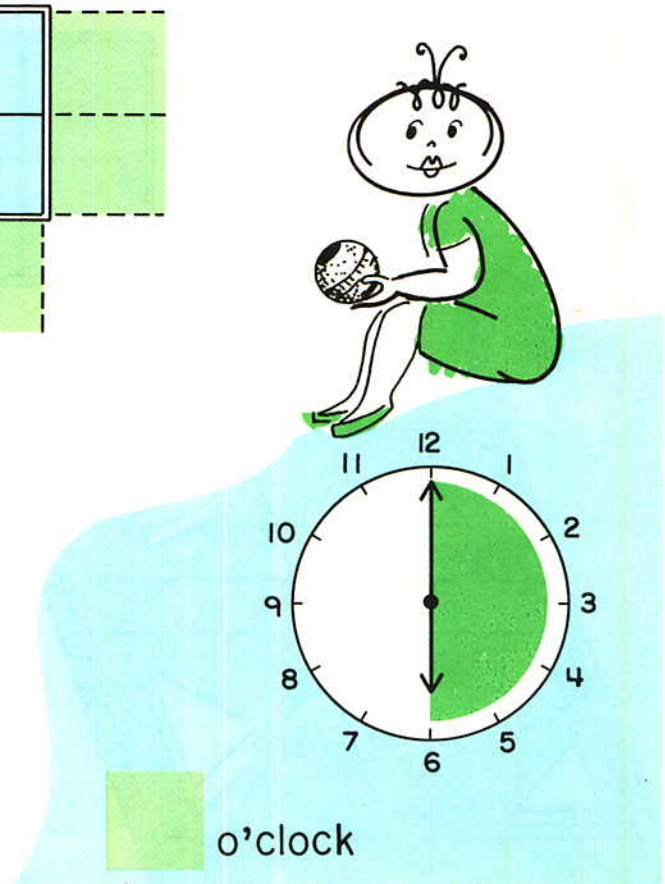
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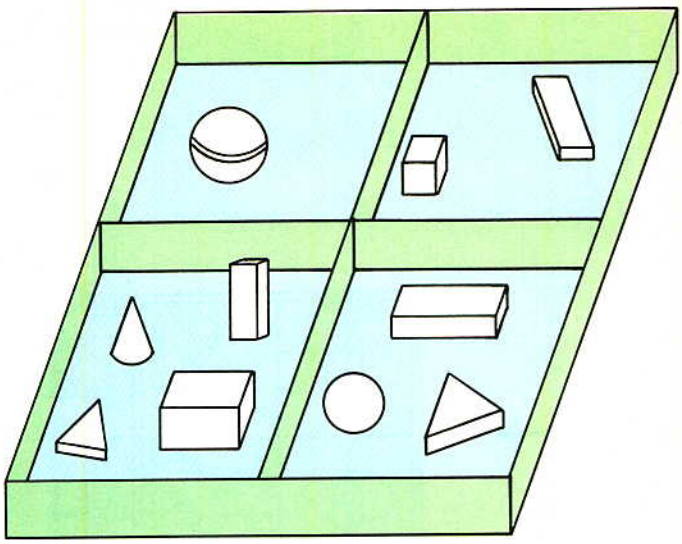

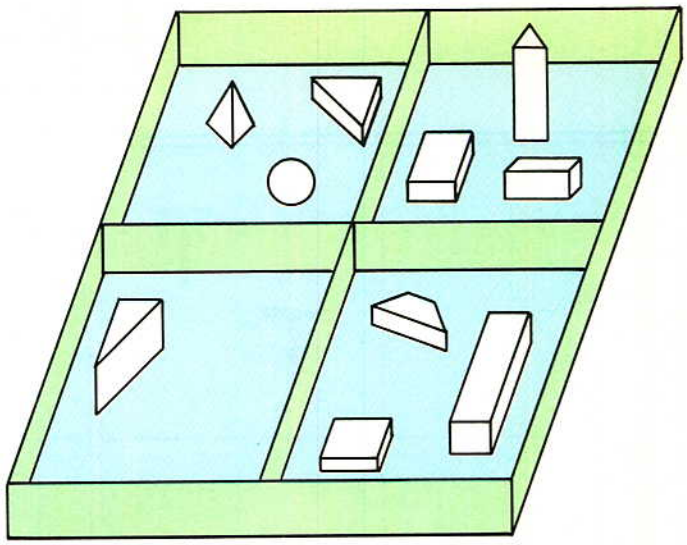

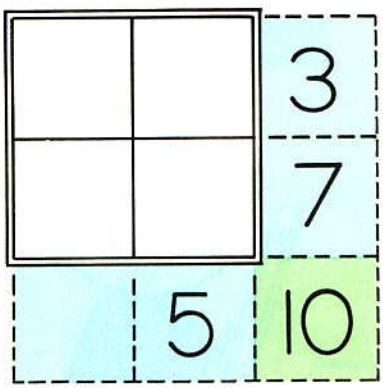
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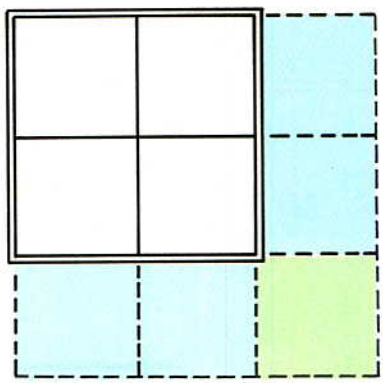

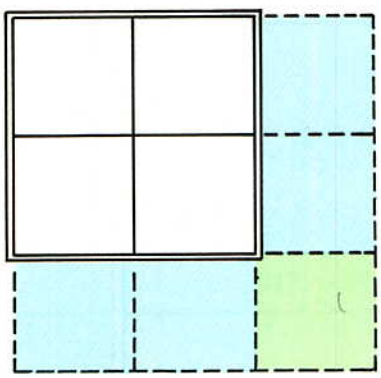

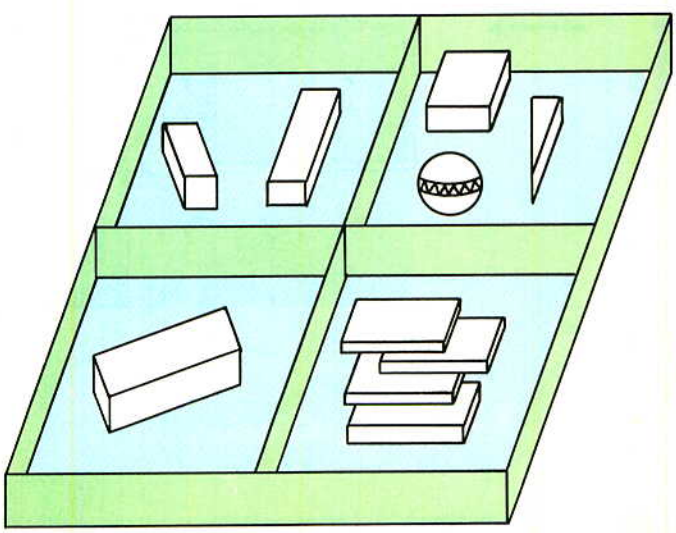

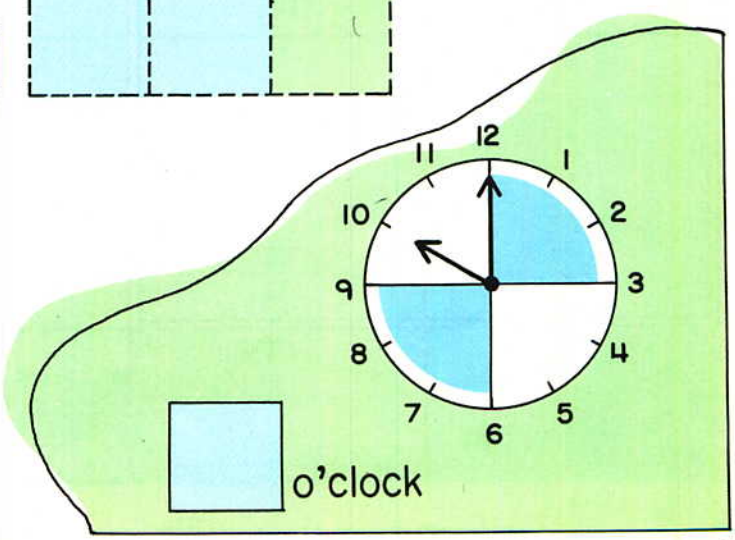
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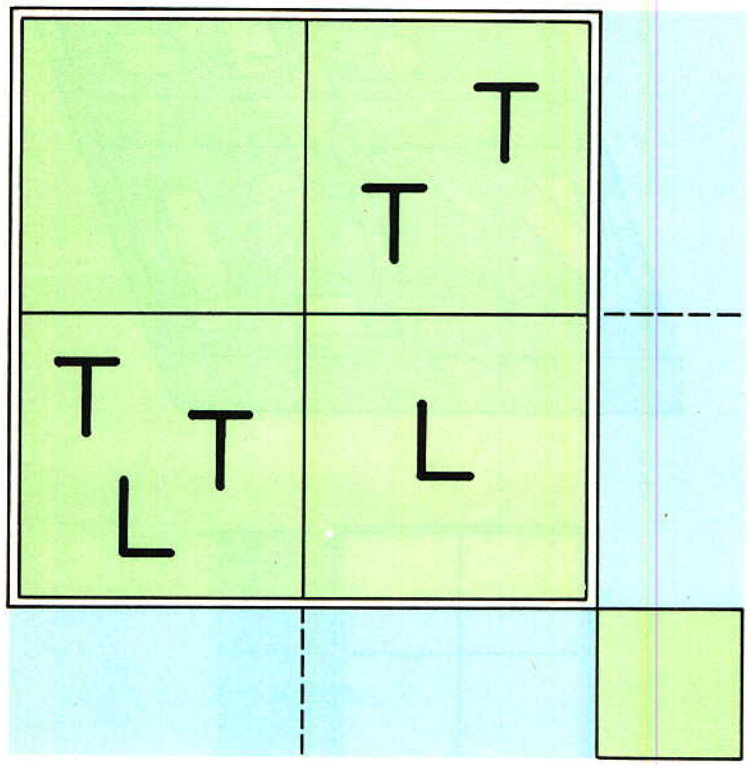
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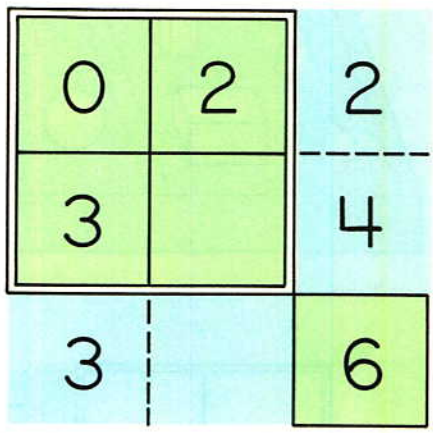
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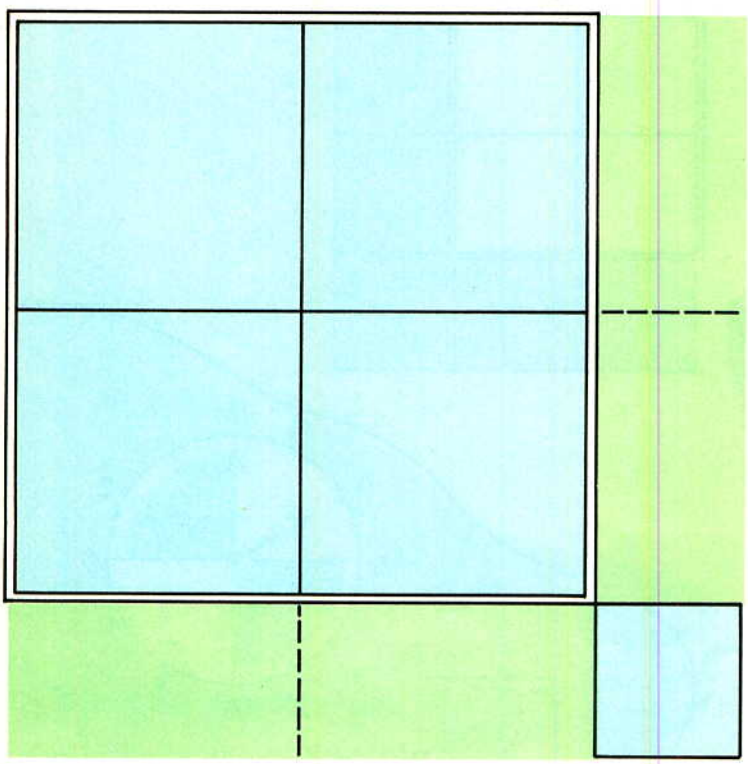

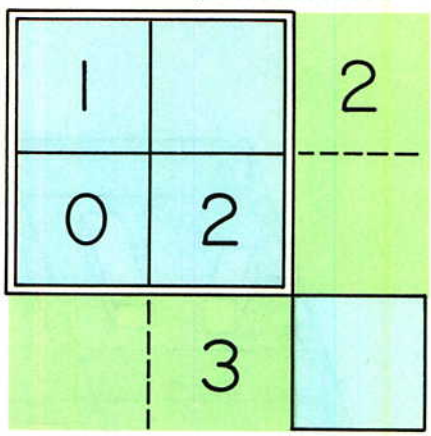
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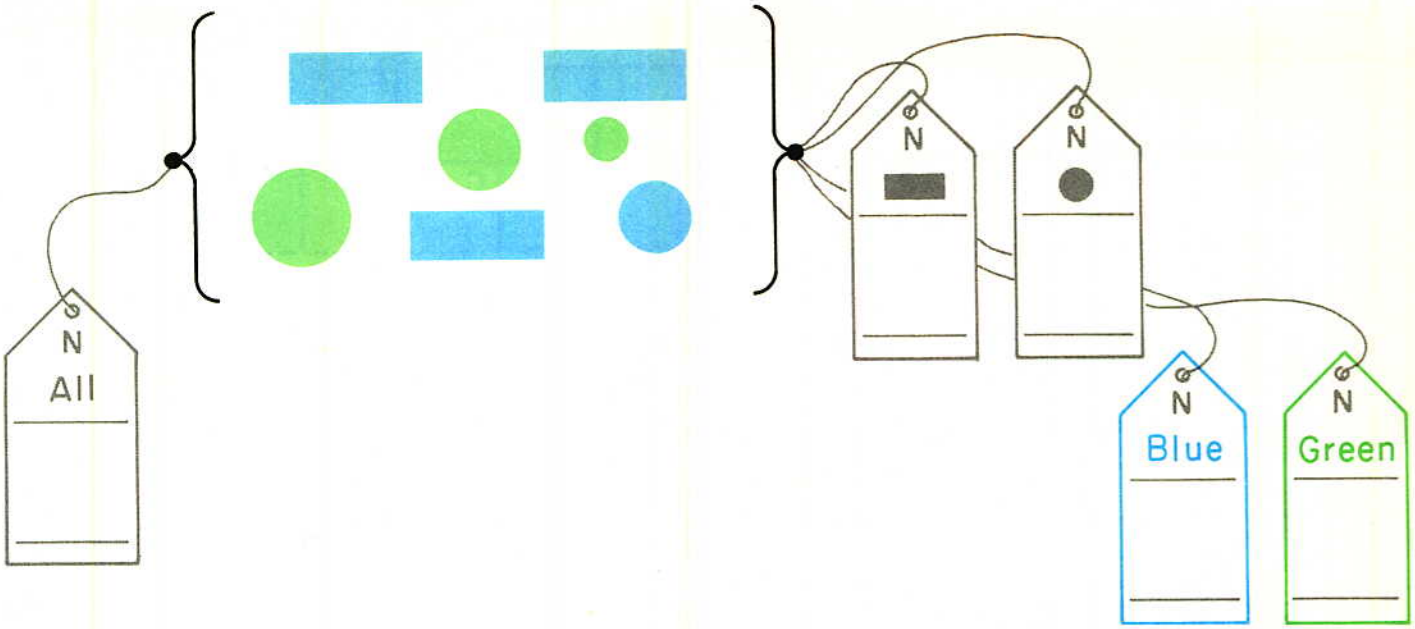
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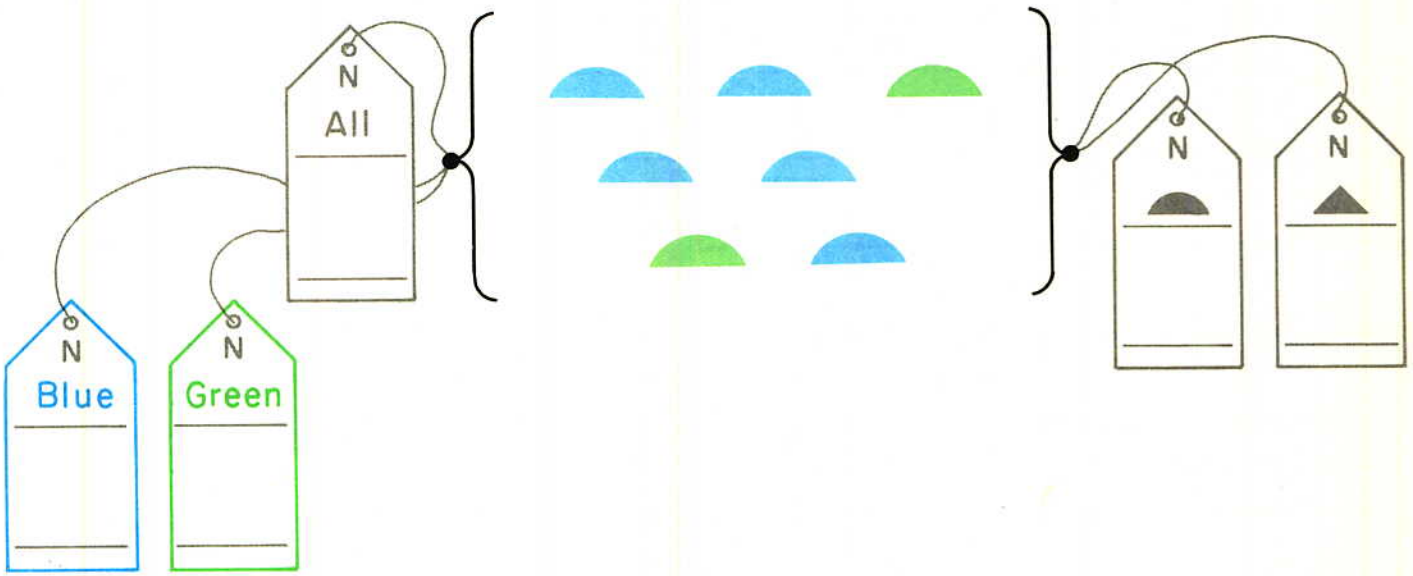
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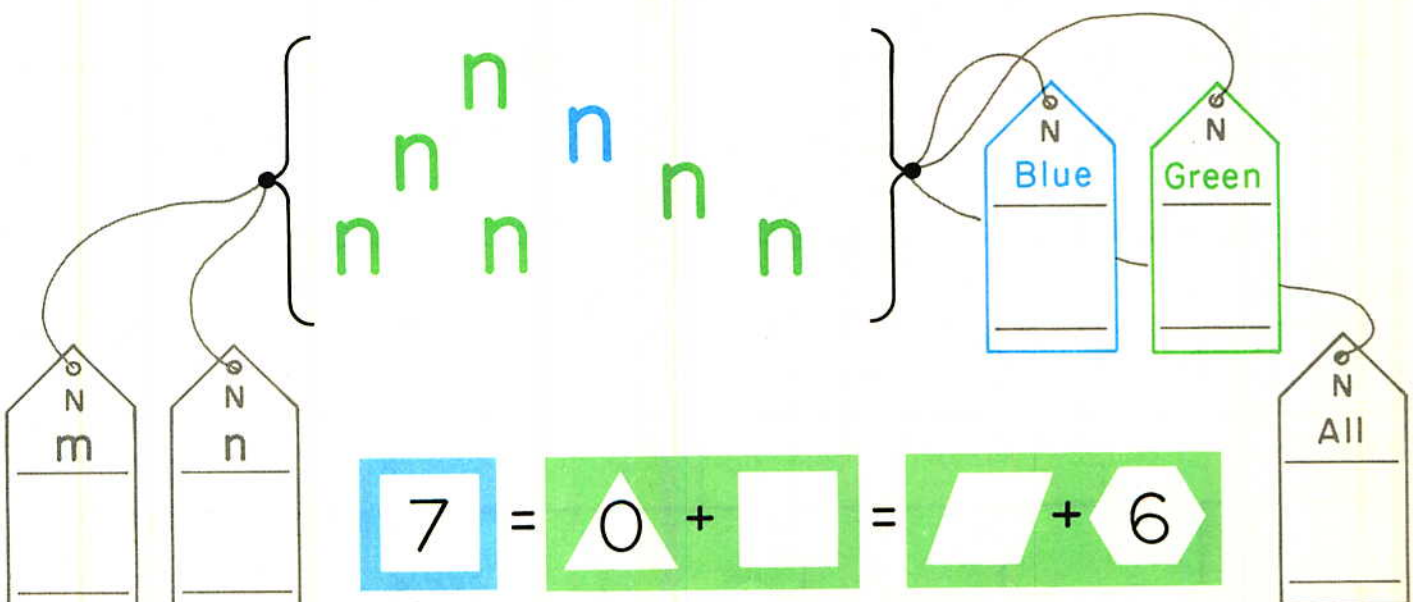
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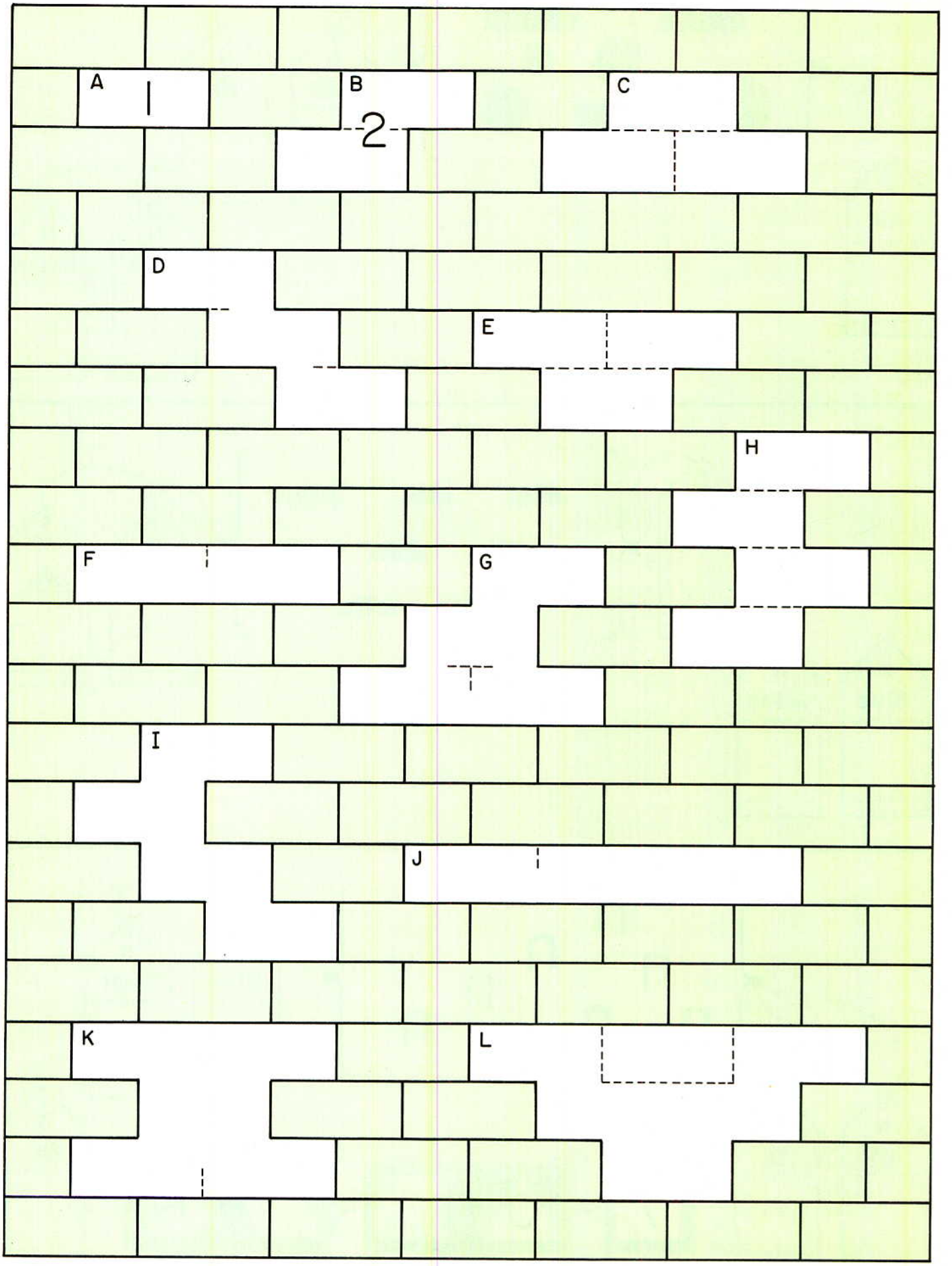
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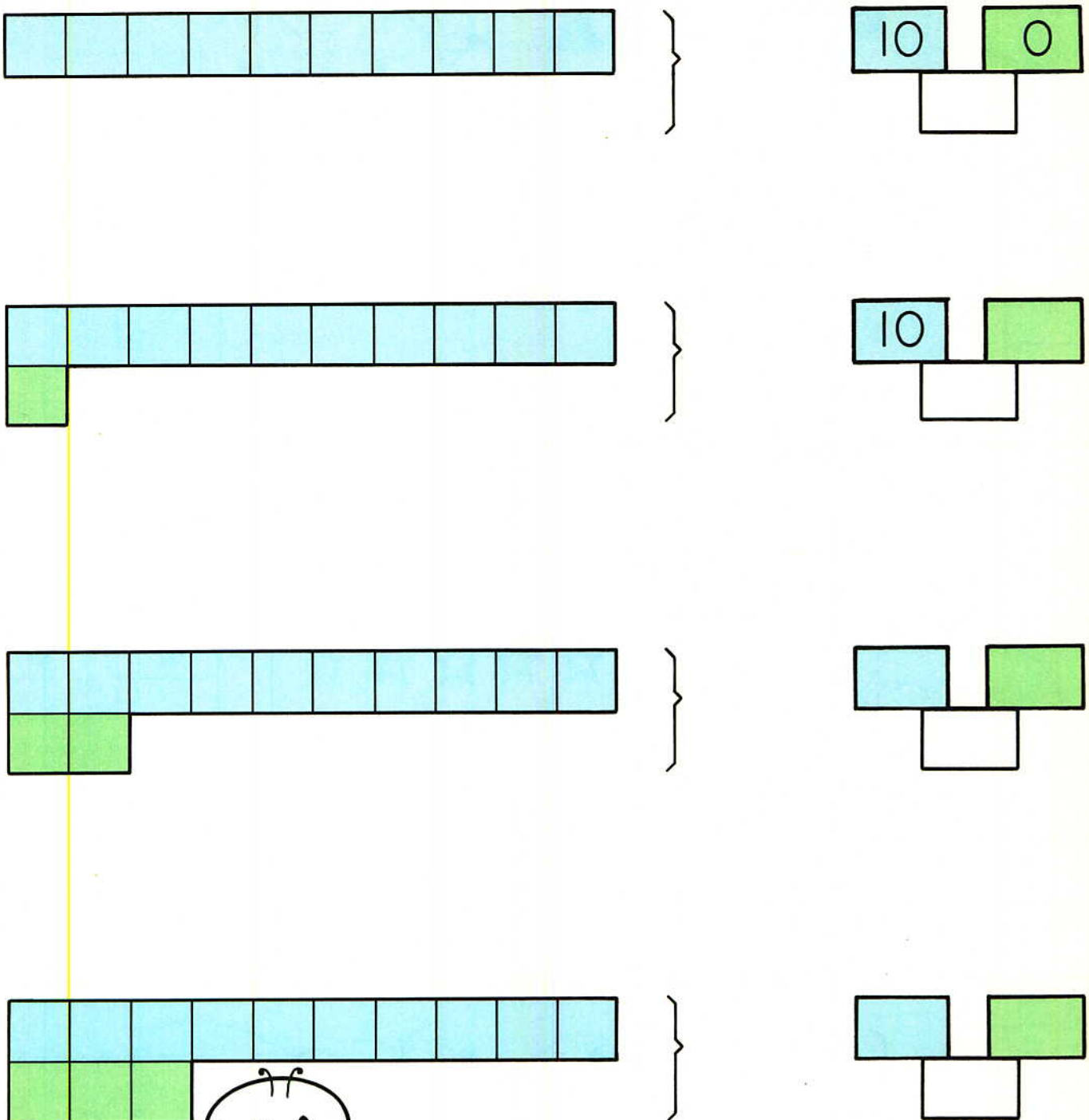
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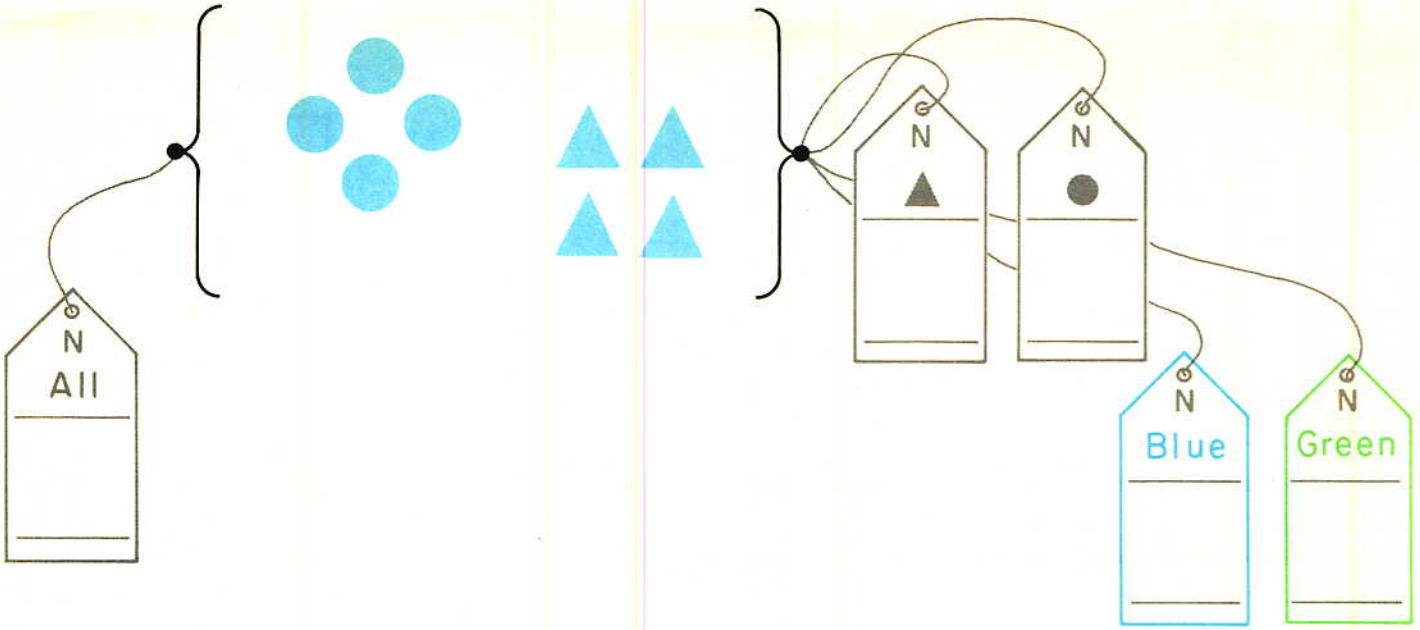
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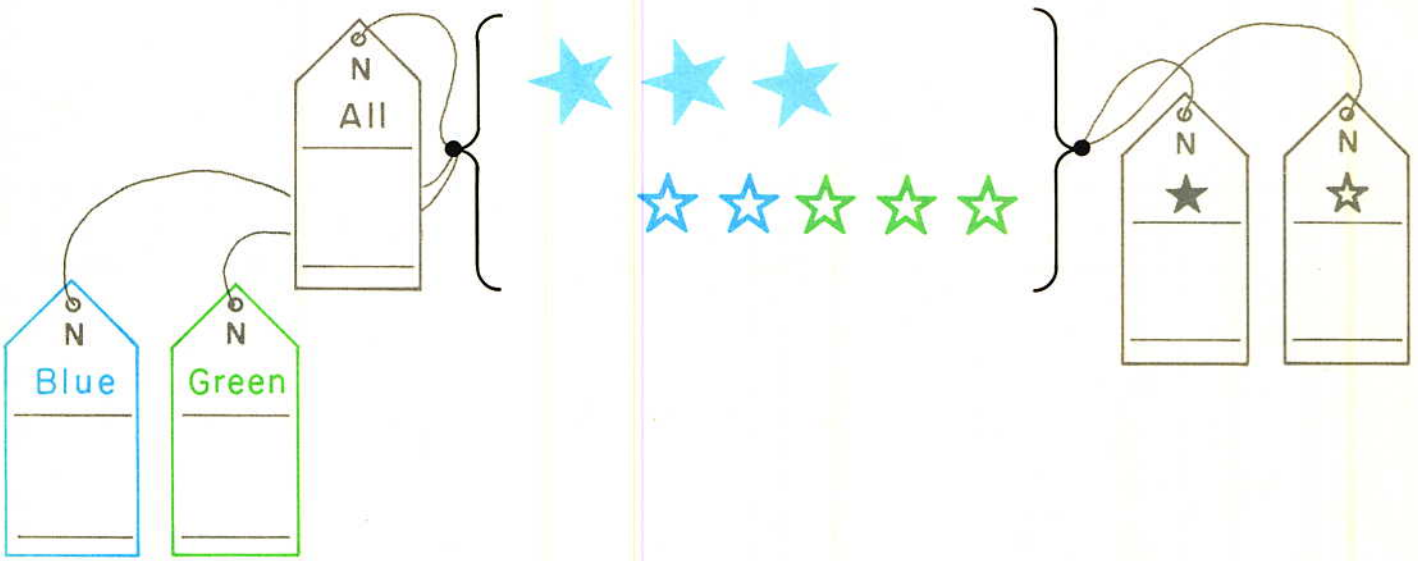
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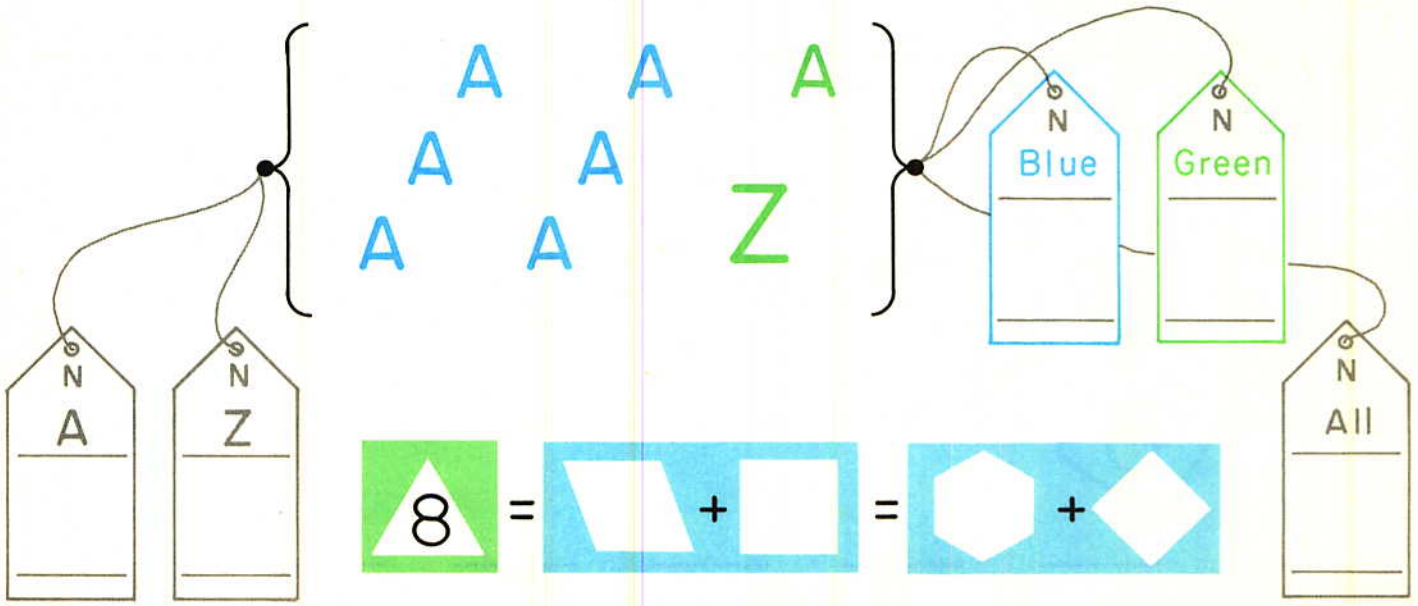
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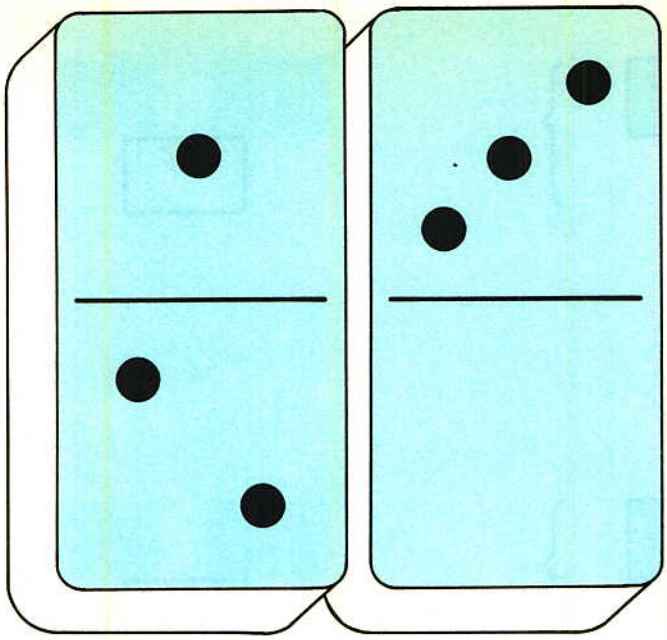

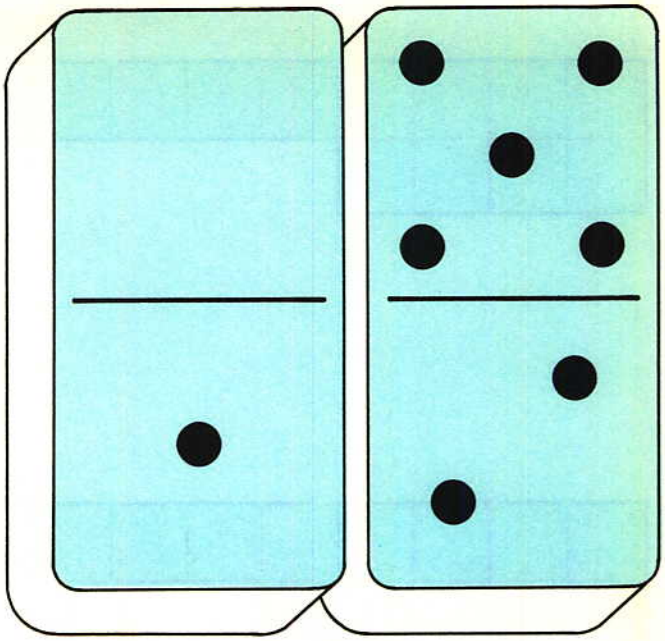

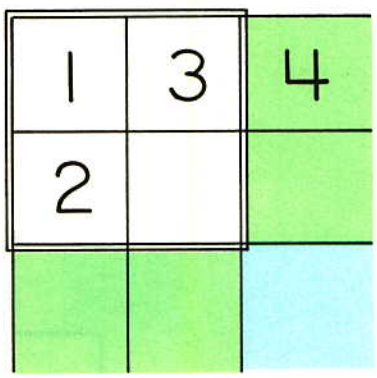
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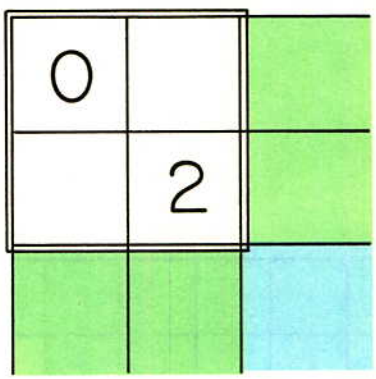
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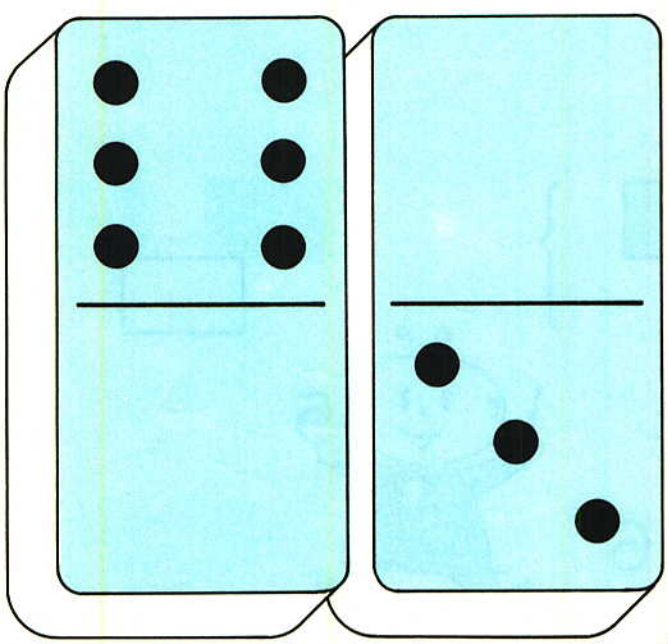

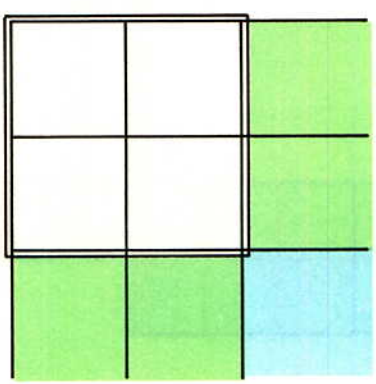

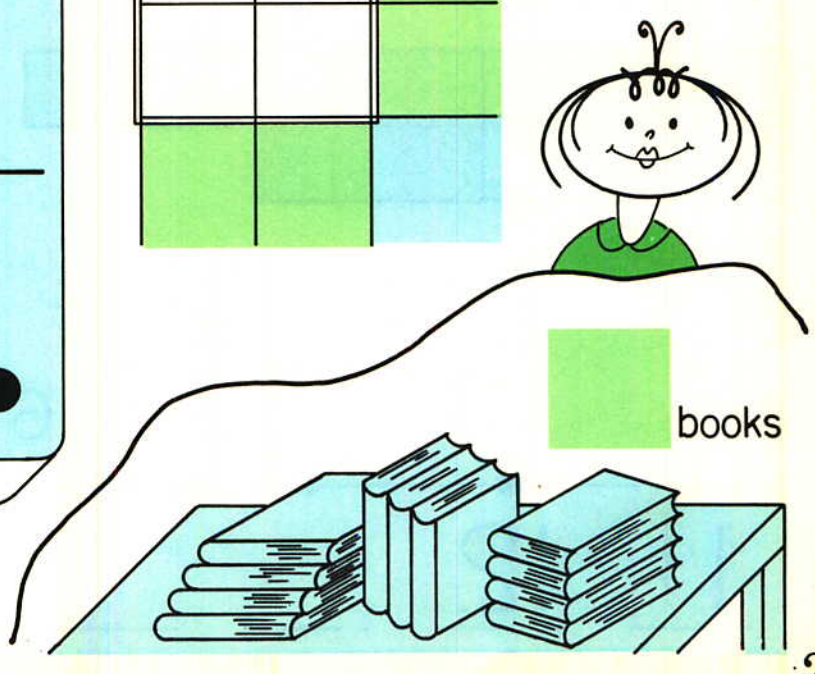
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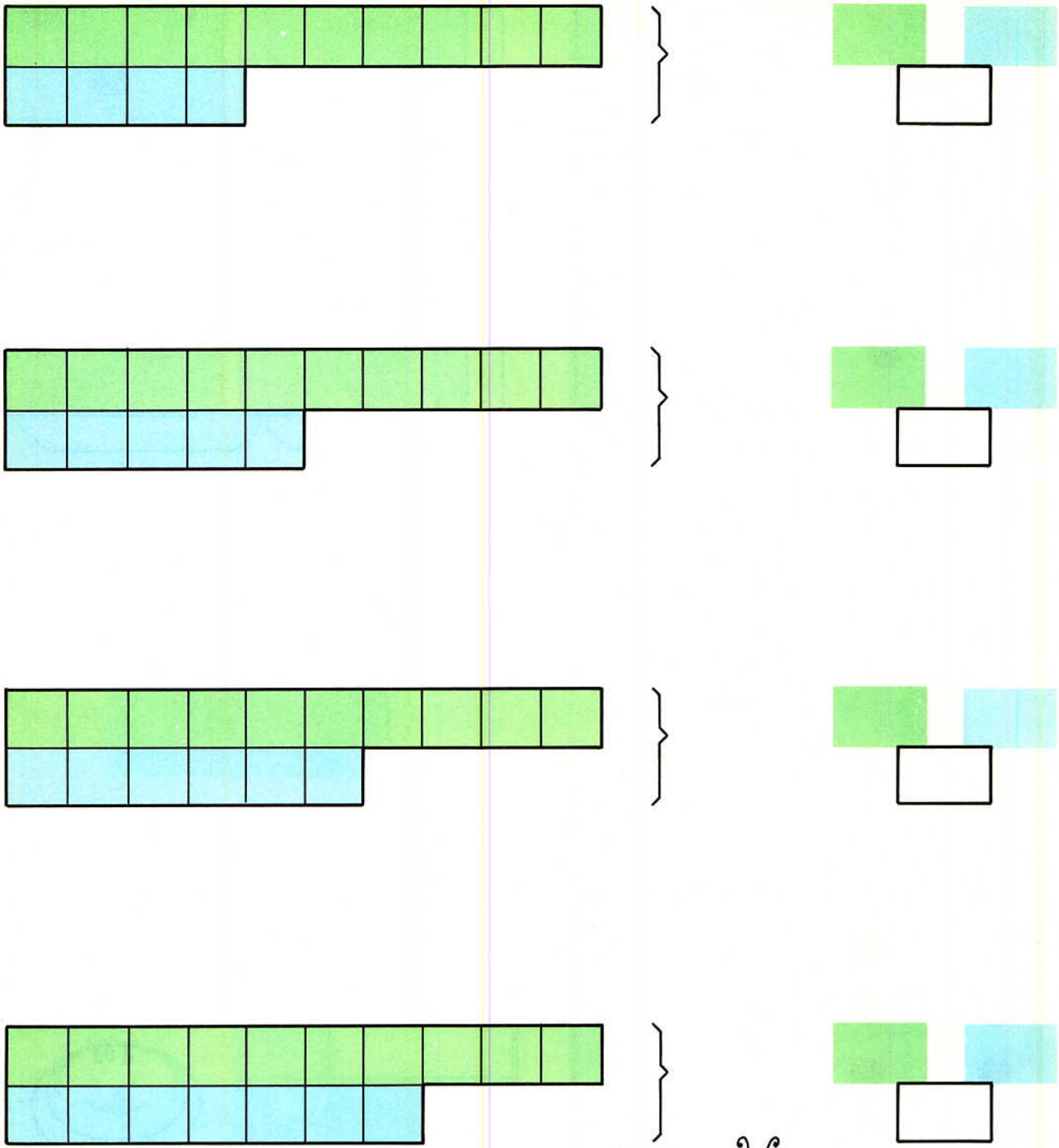
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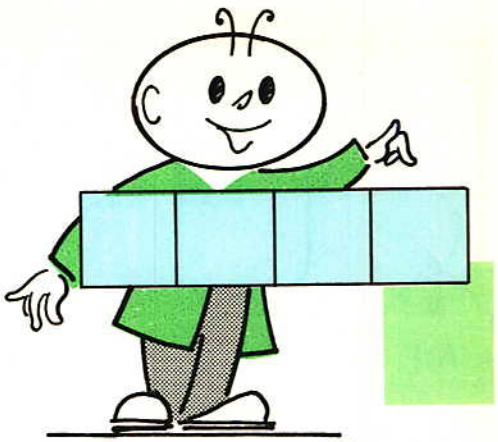

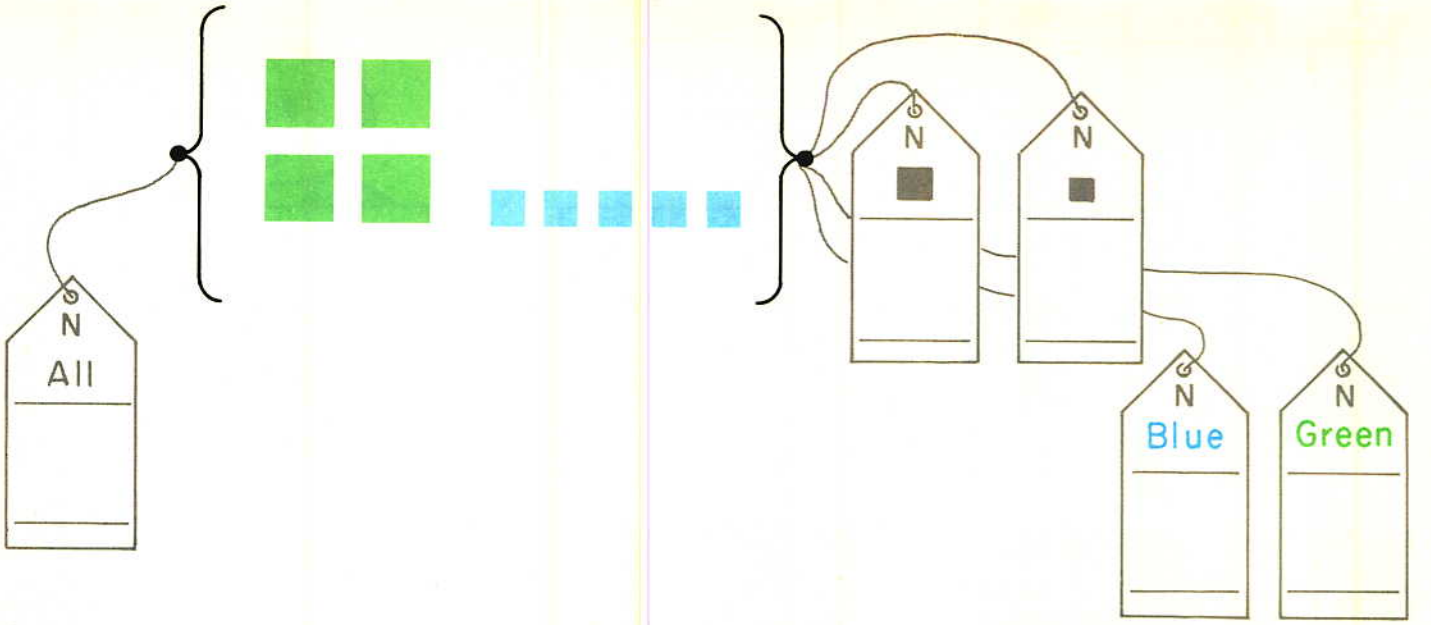
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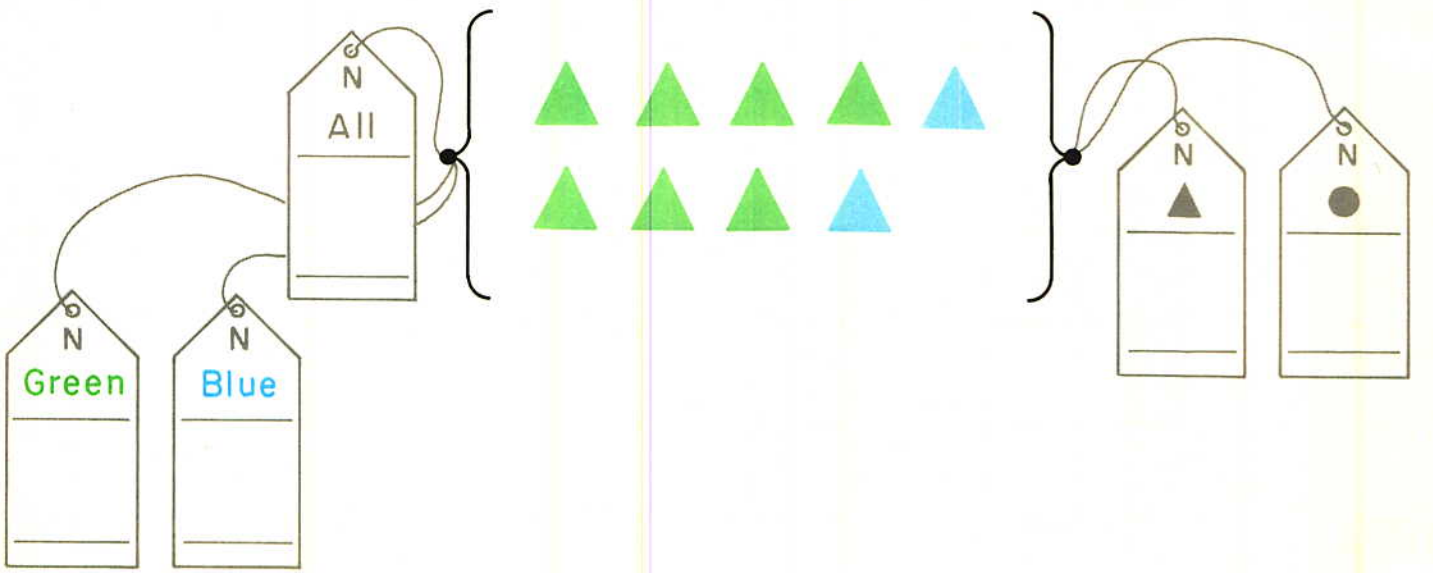
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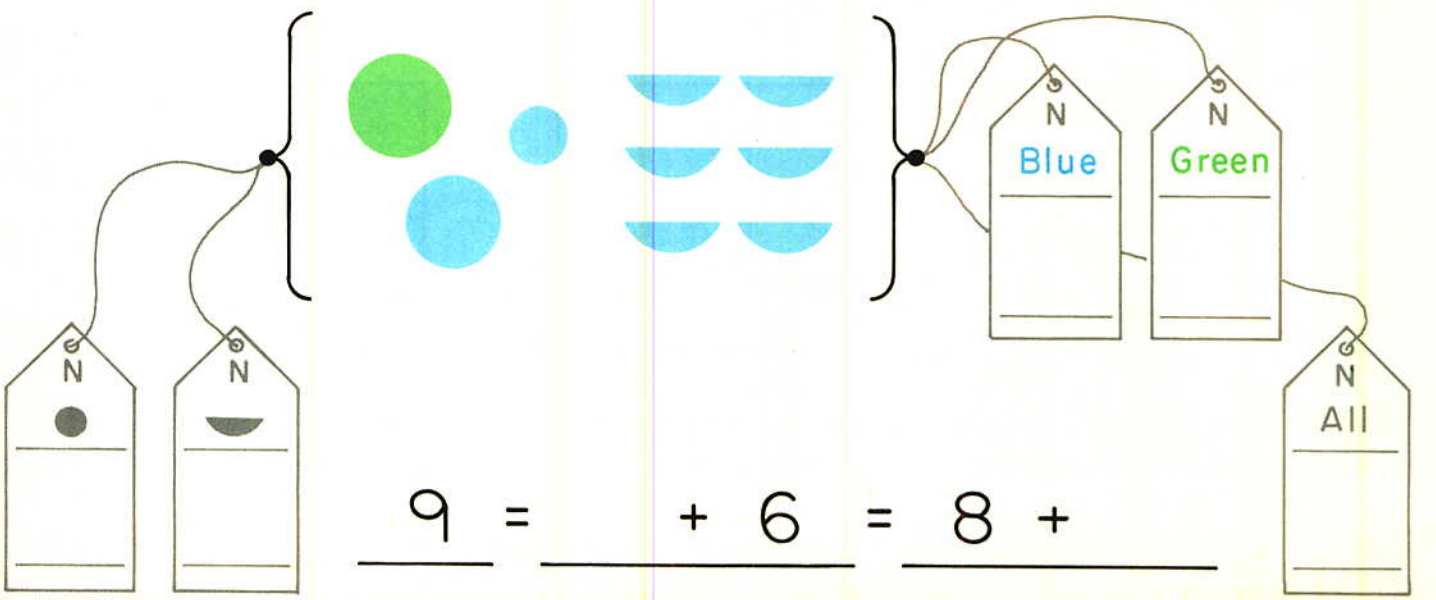
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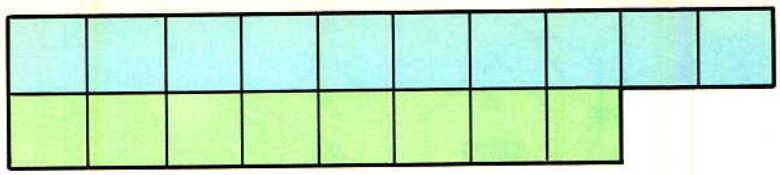

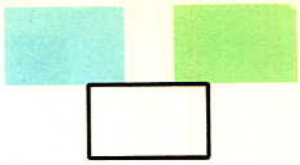

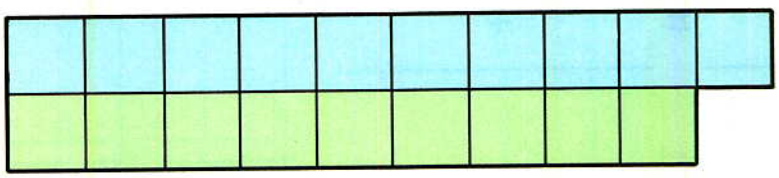

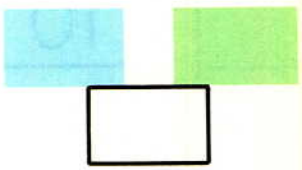

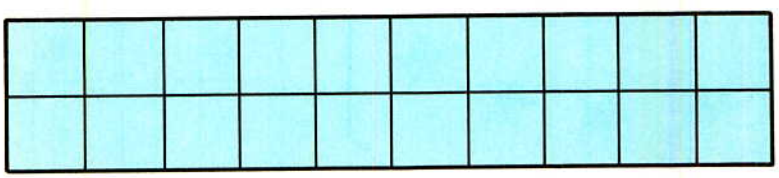

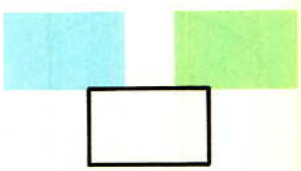

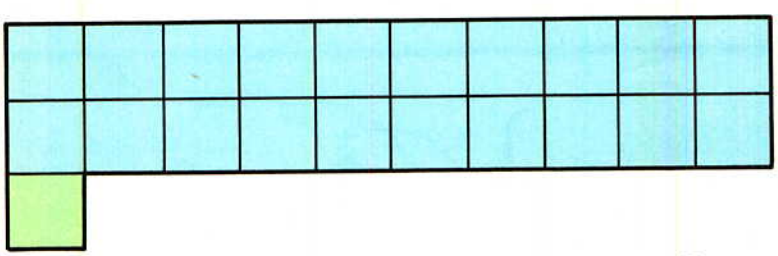

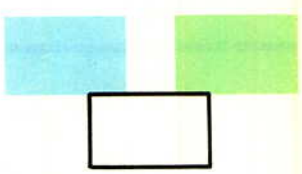

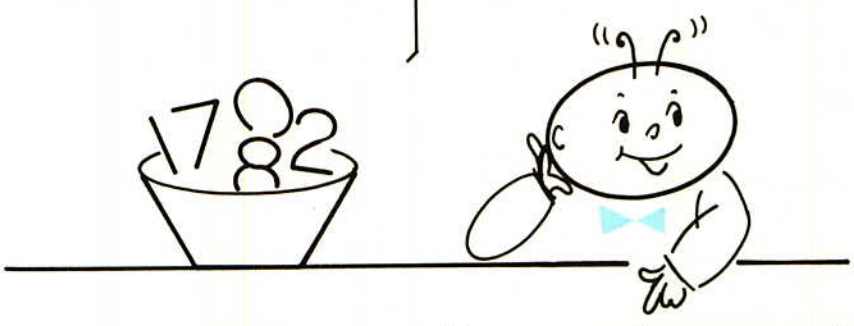

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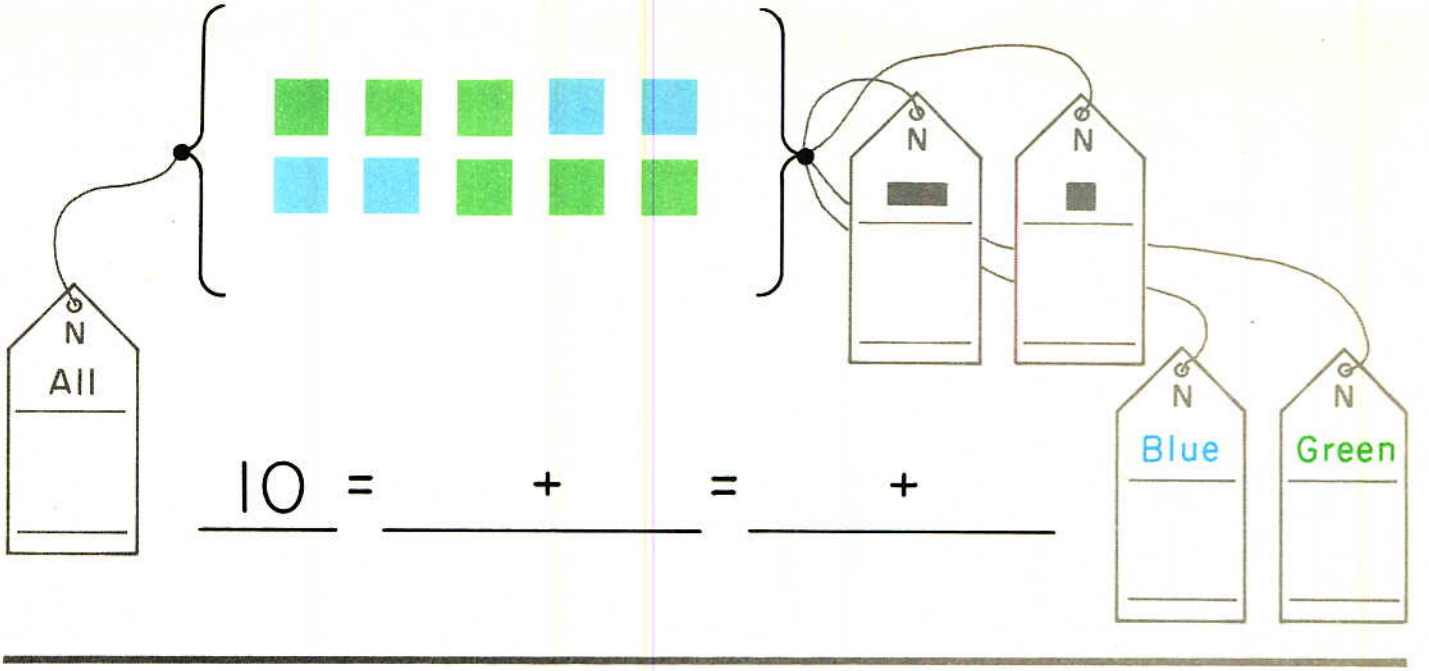
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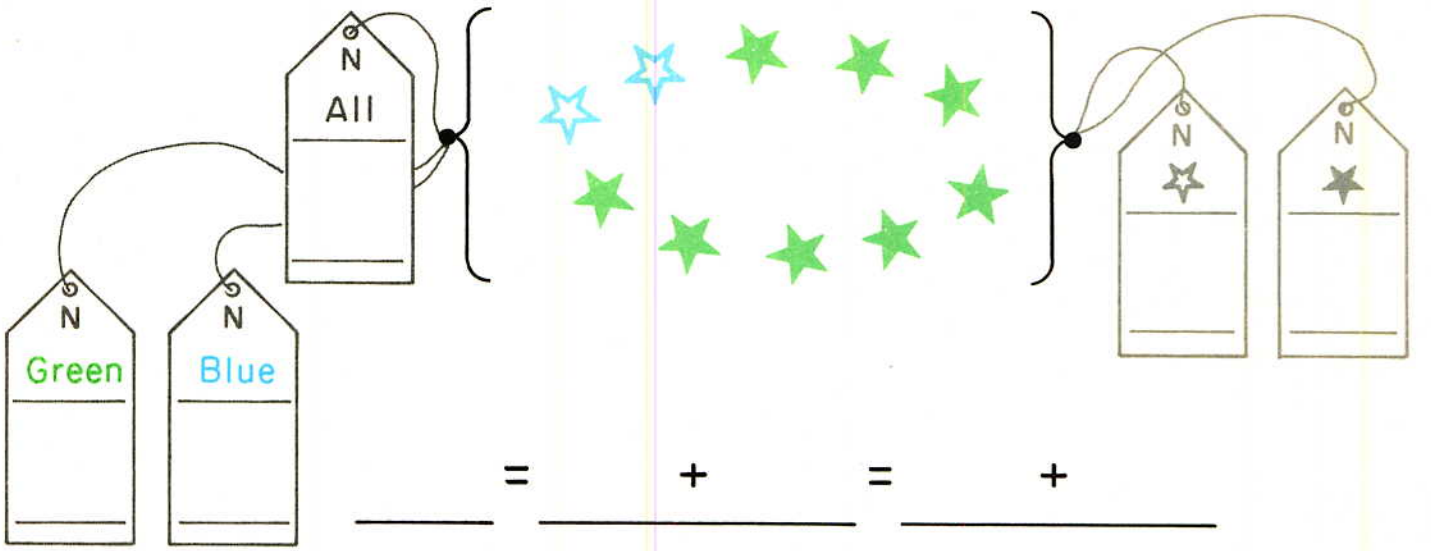
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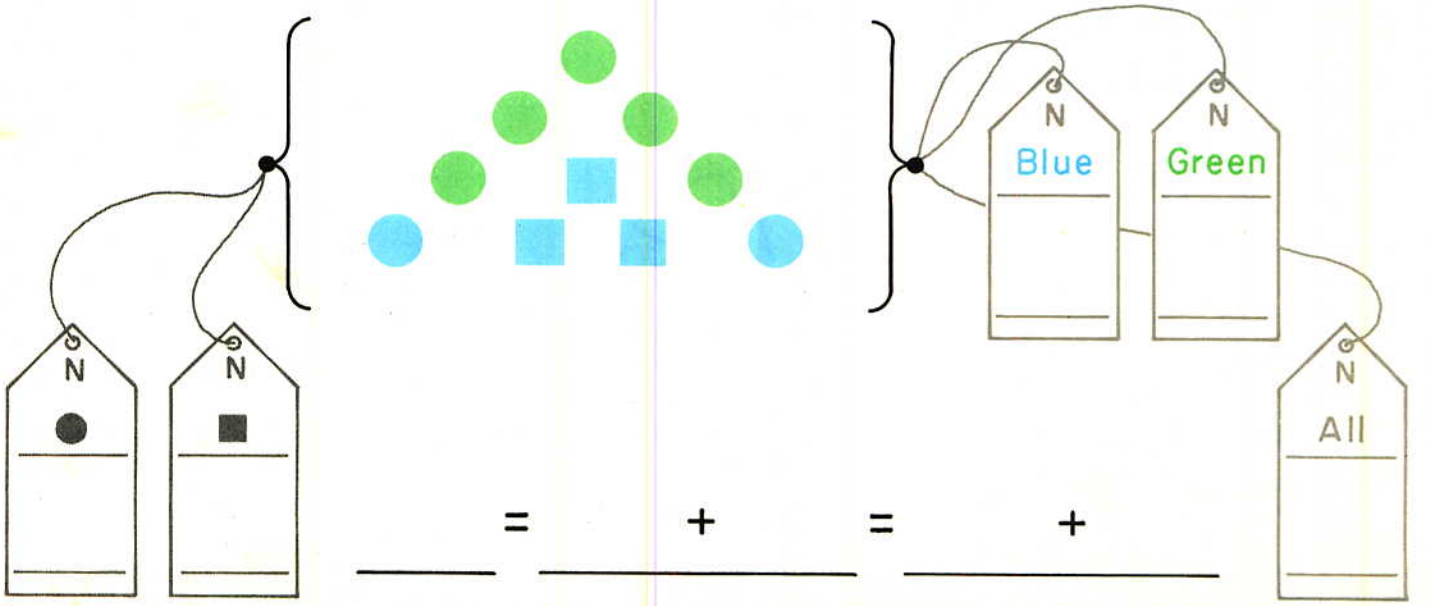
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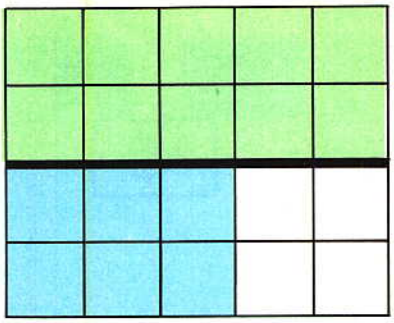

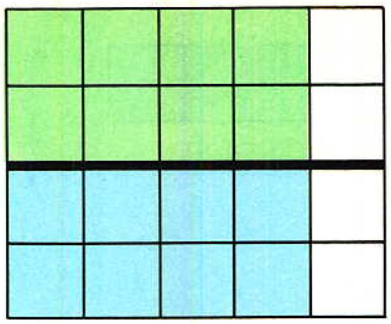

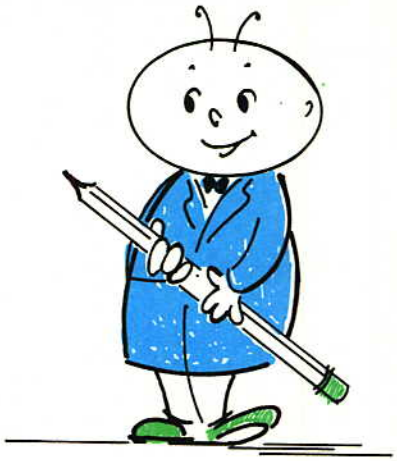

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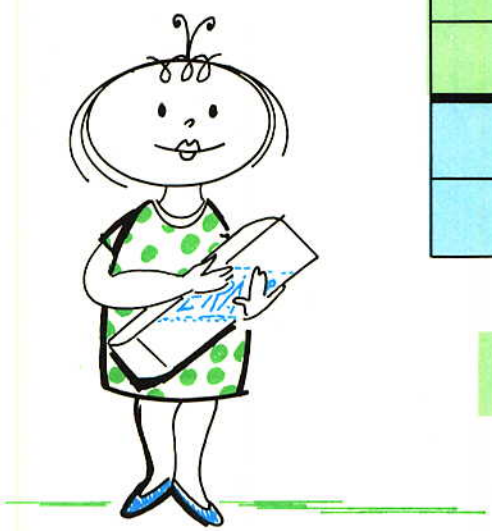

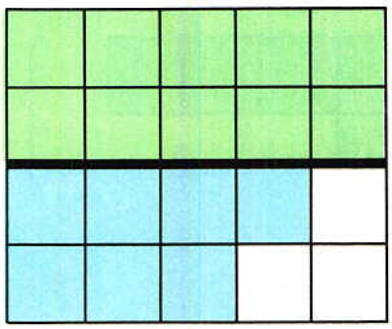

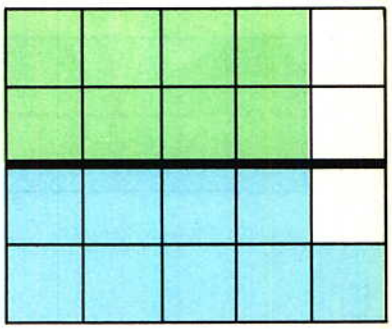

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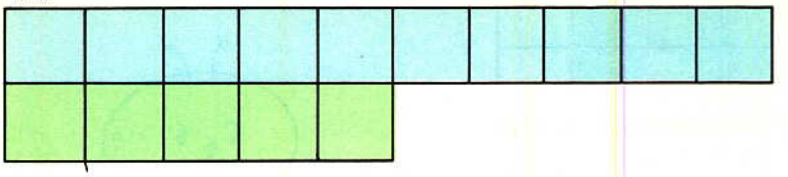

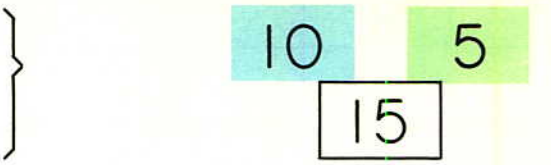

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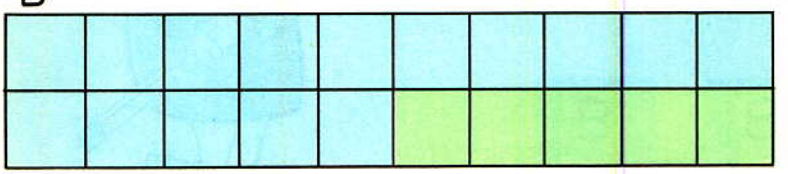

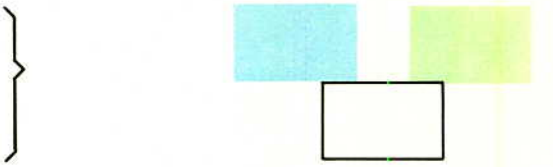

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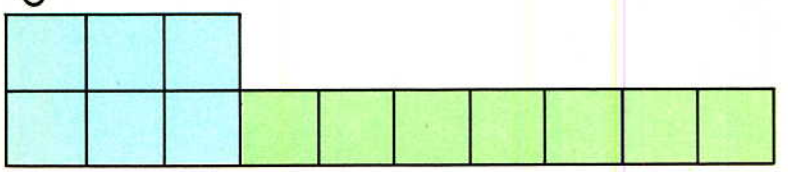

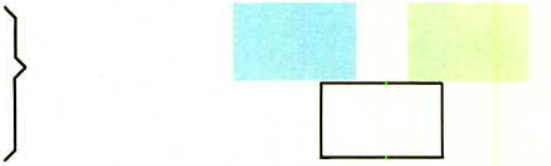

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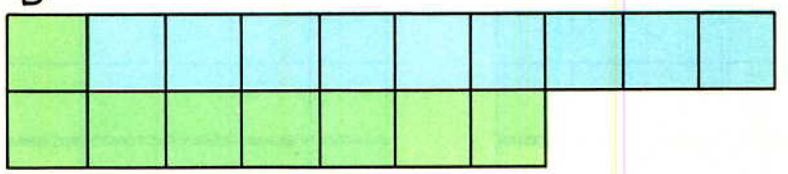

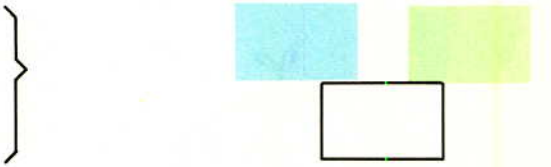

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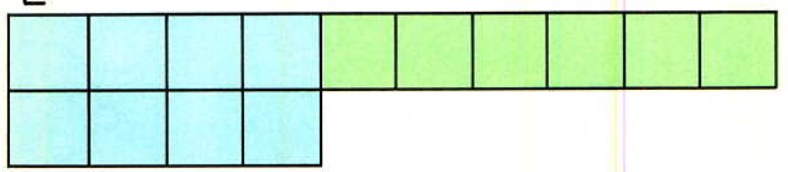

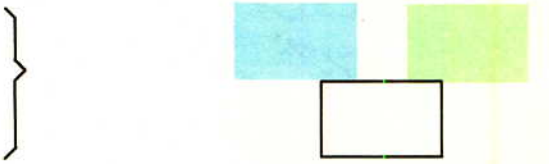

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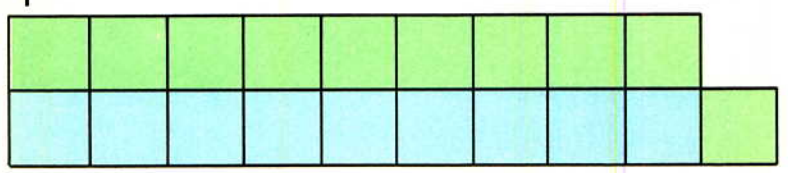

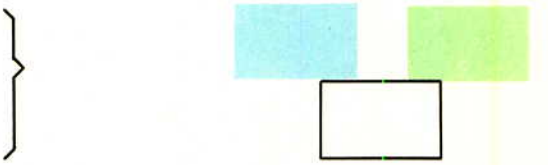

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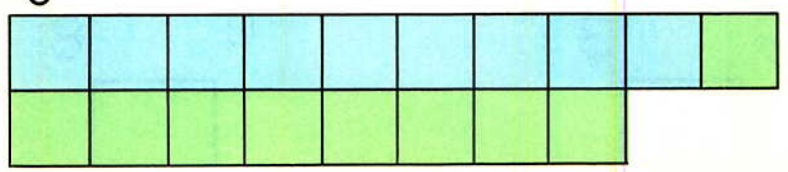

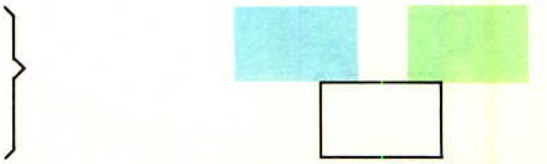

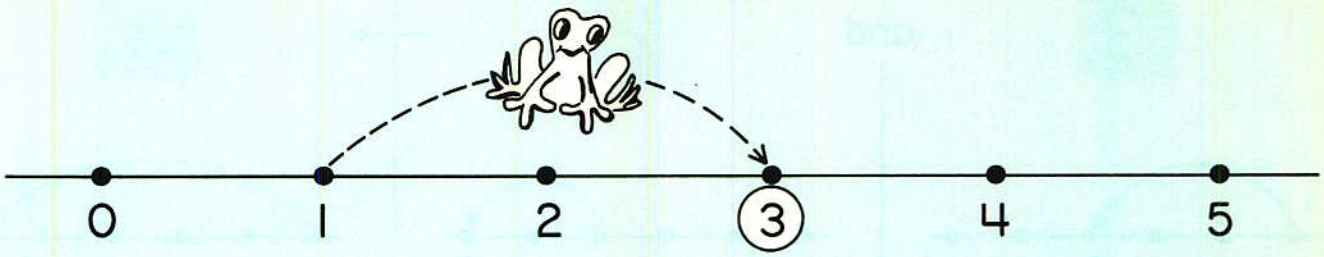

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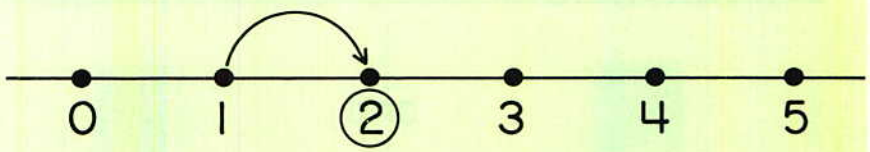
start 1 jump 1 land



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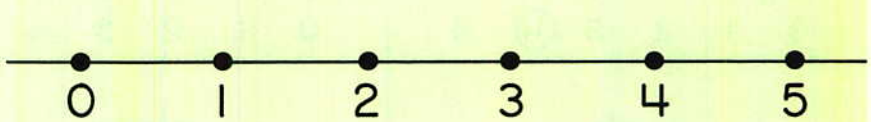

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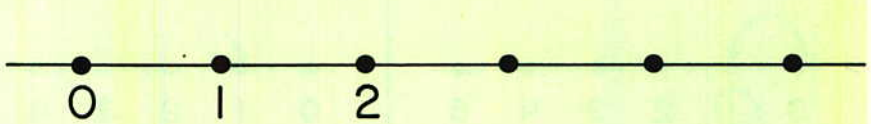

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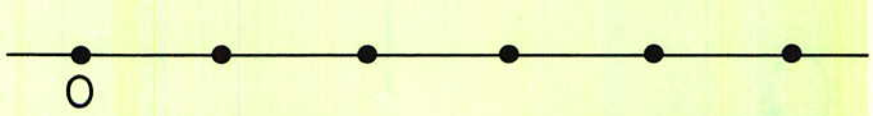

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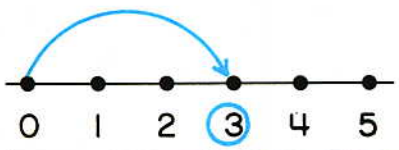

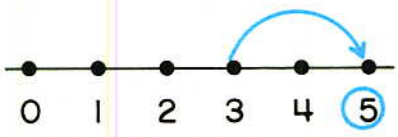

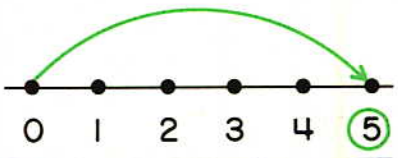

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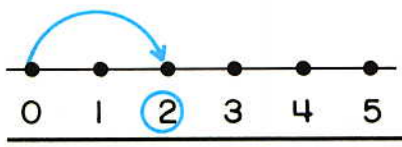

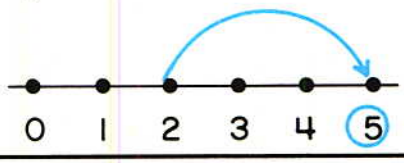

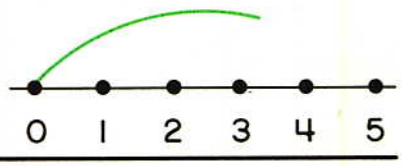

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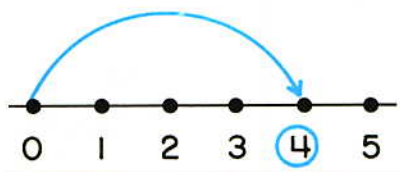

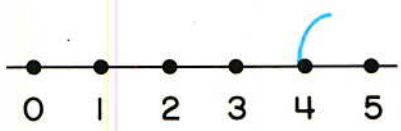

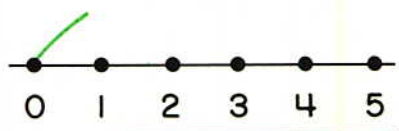

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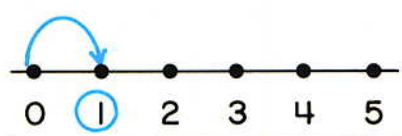

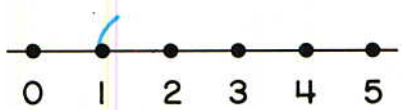

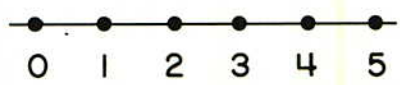

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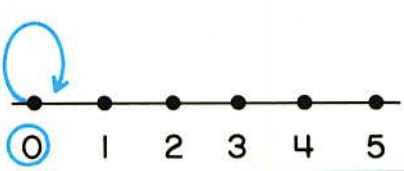

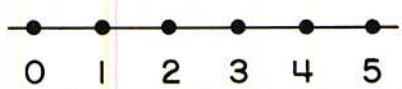

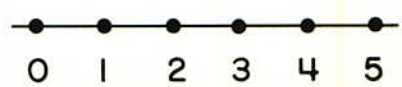

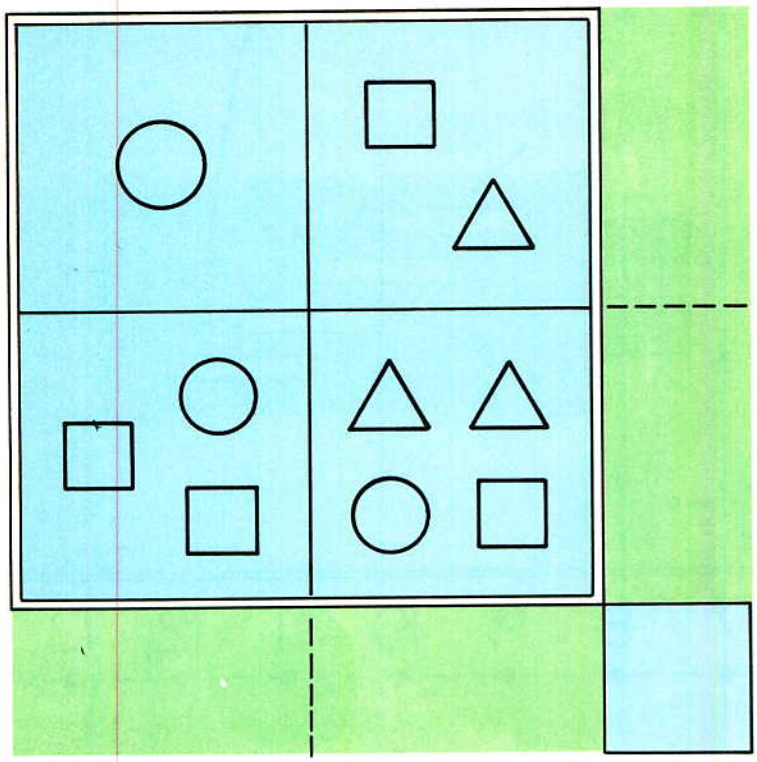

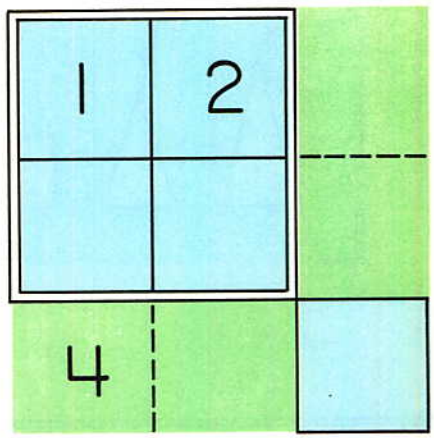
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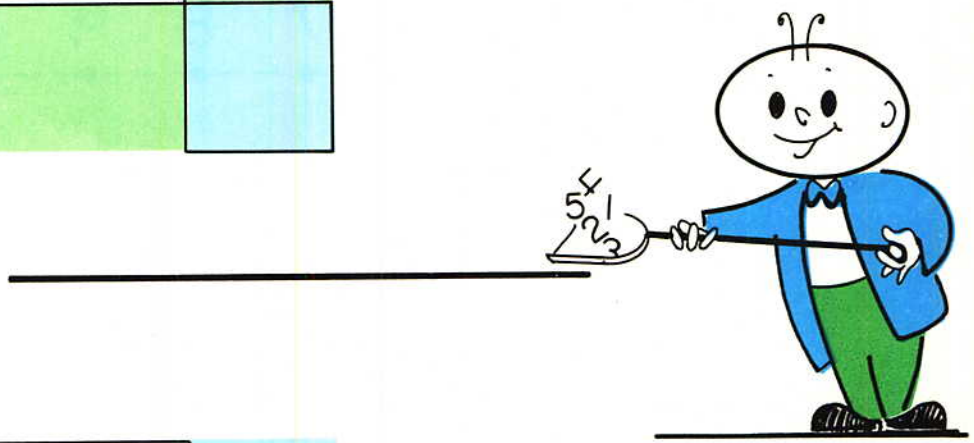
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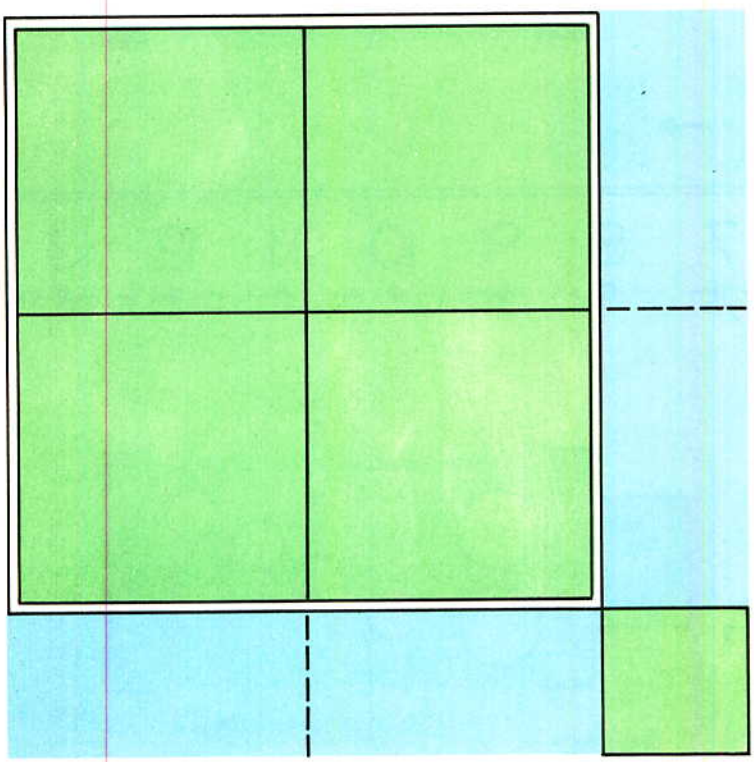

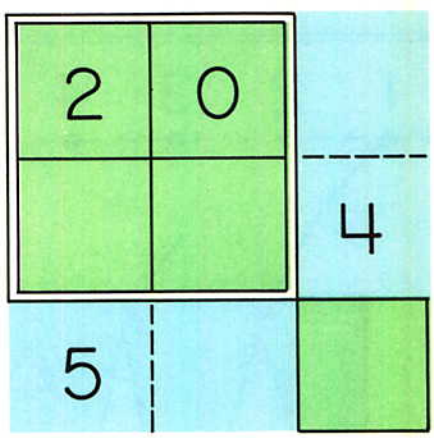
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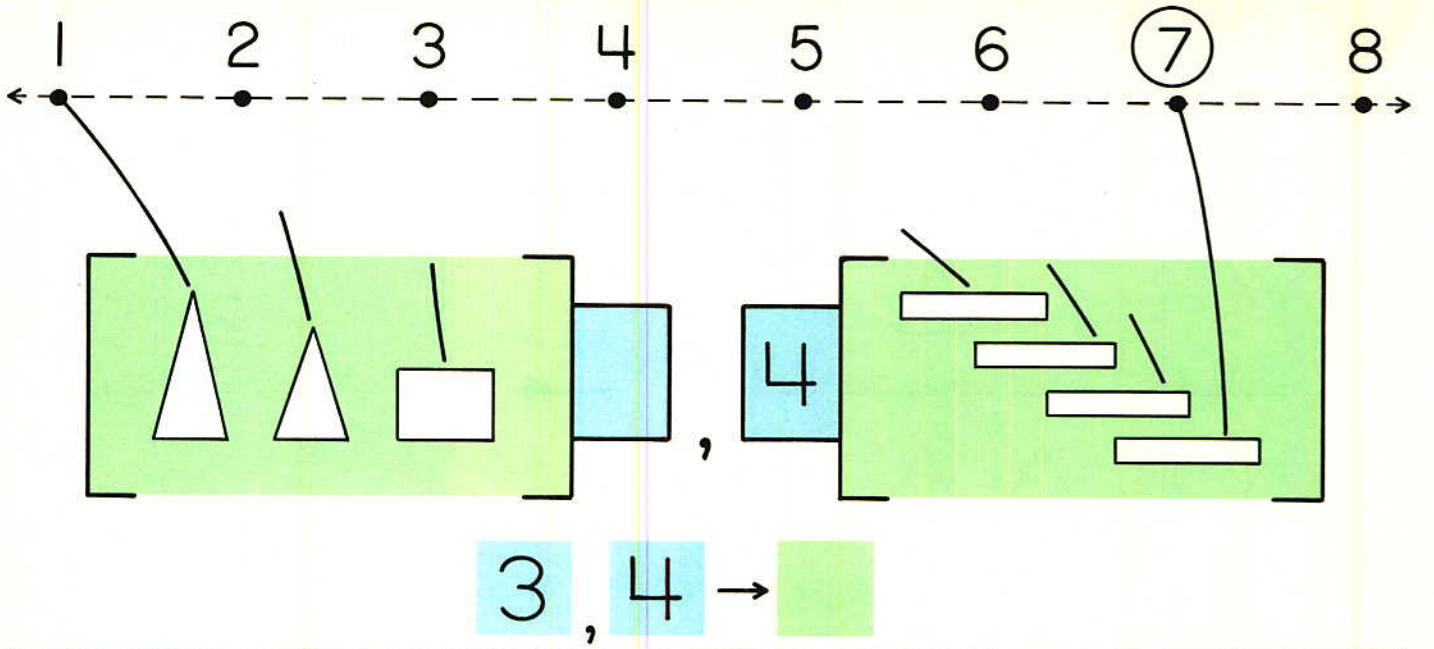
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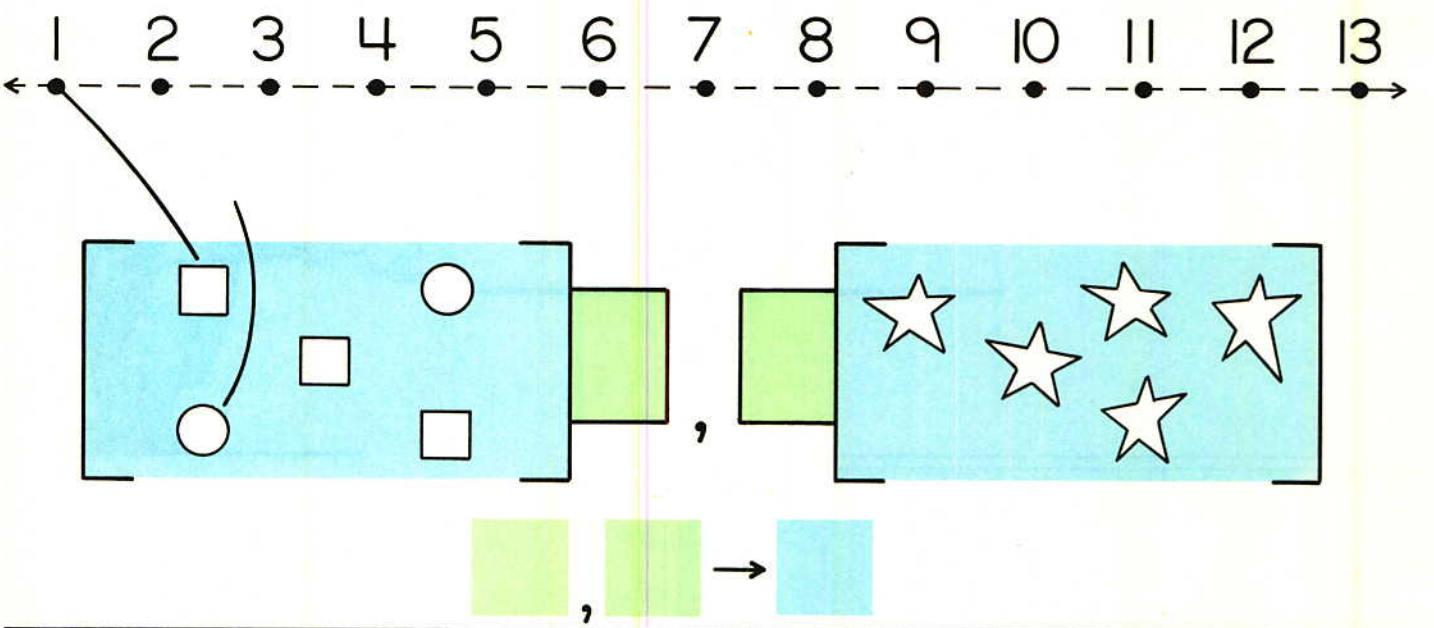
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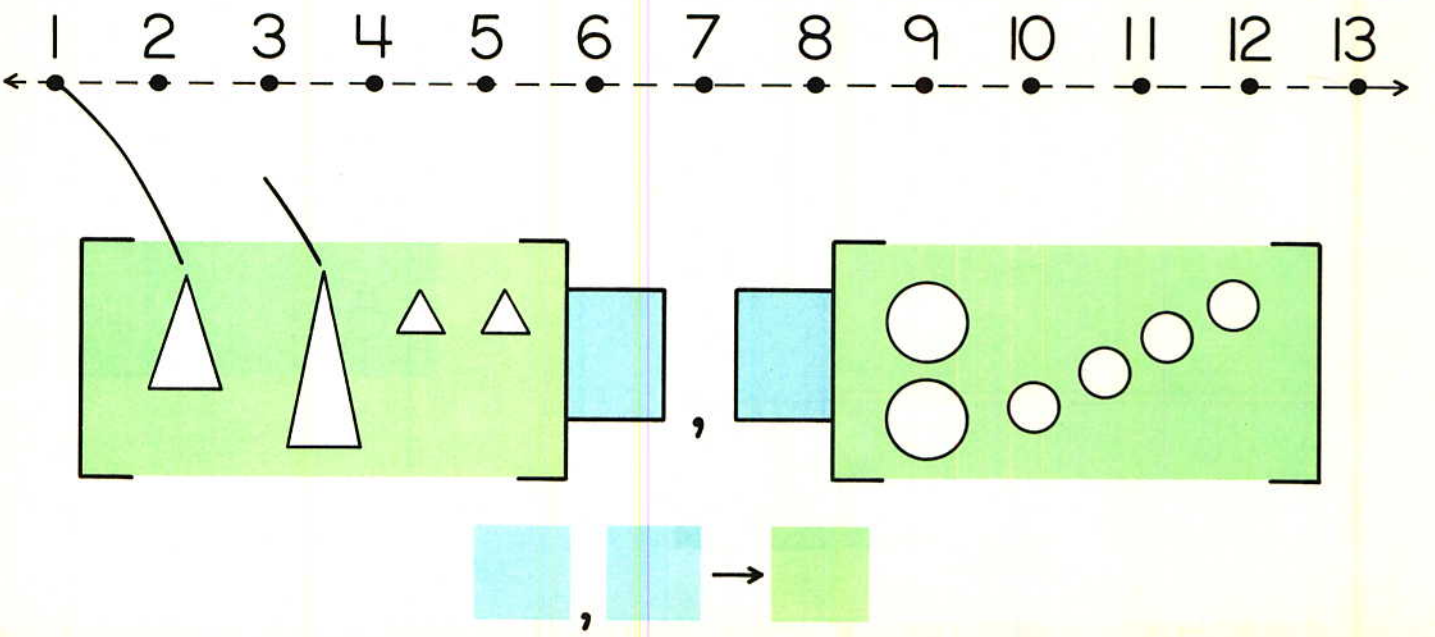
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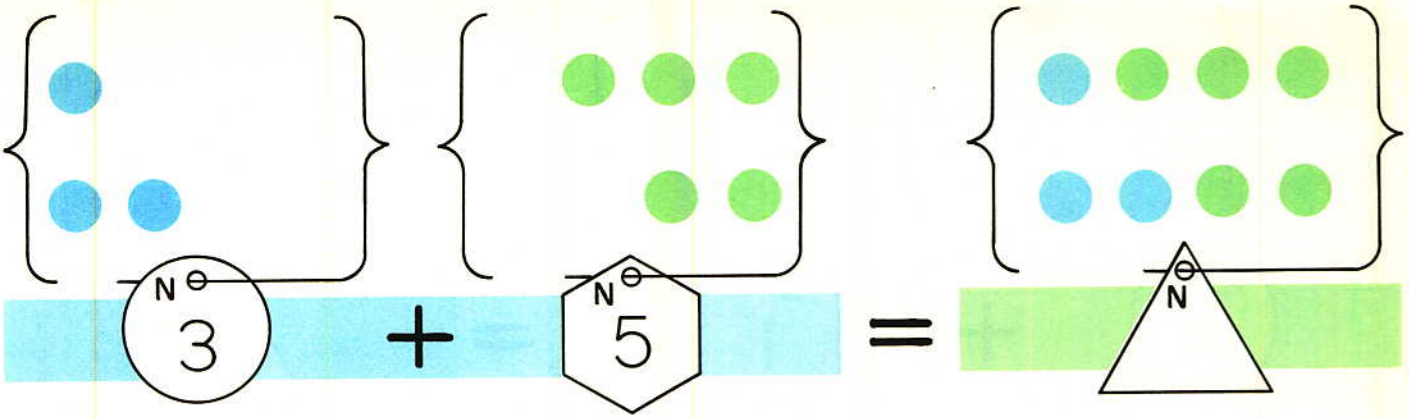
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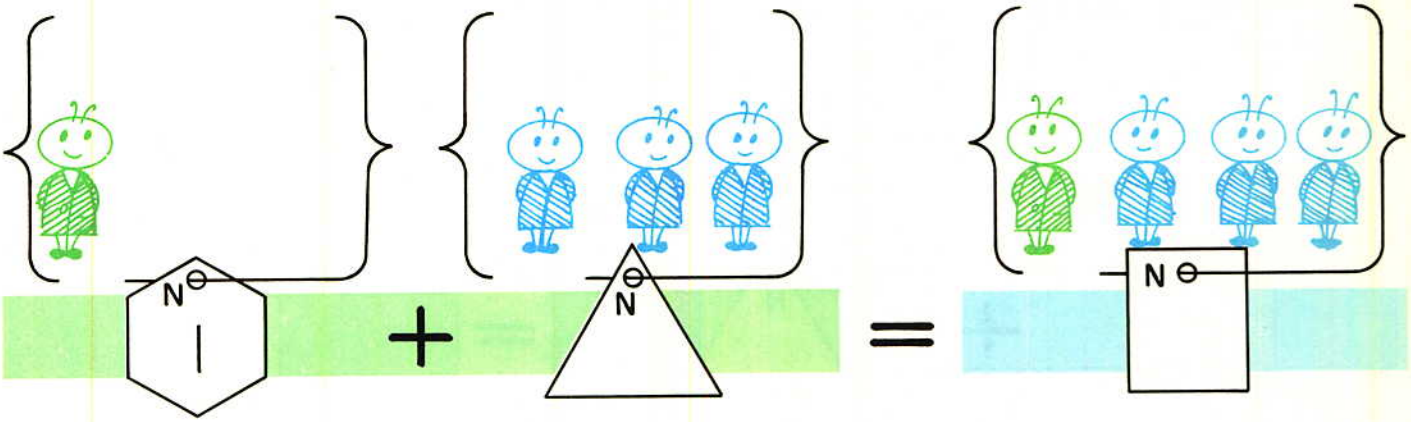
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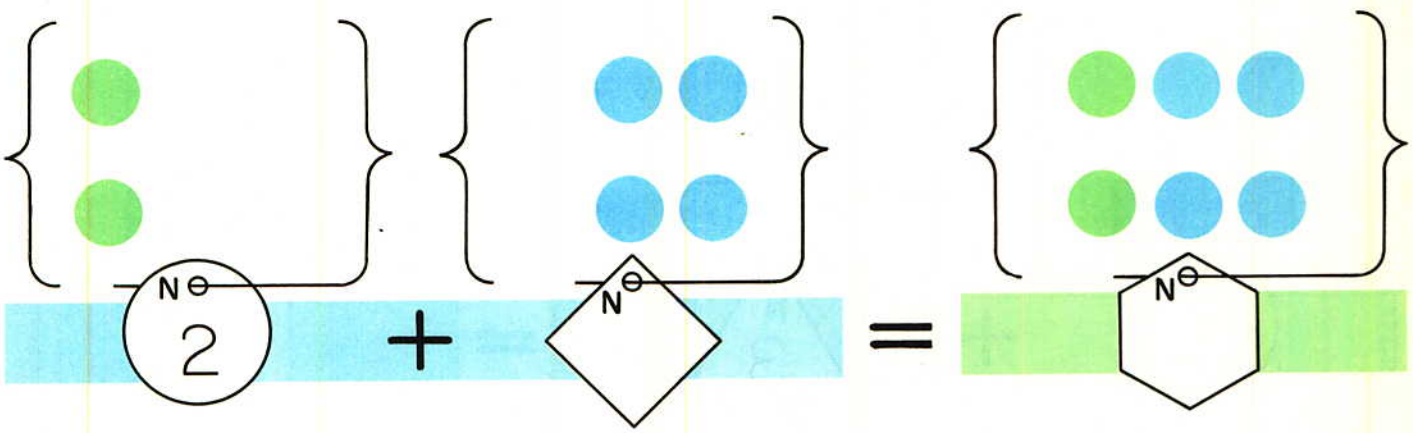
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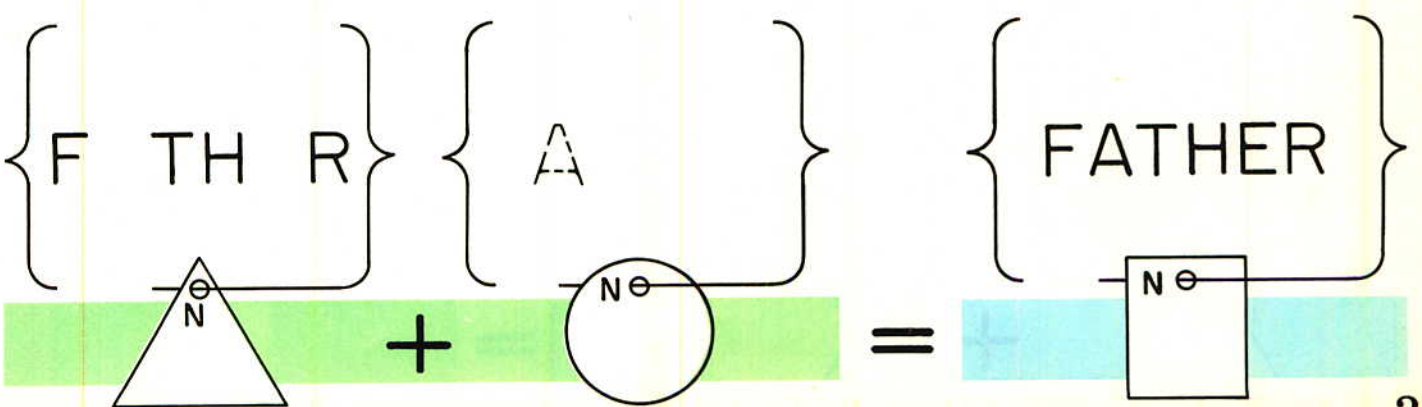
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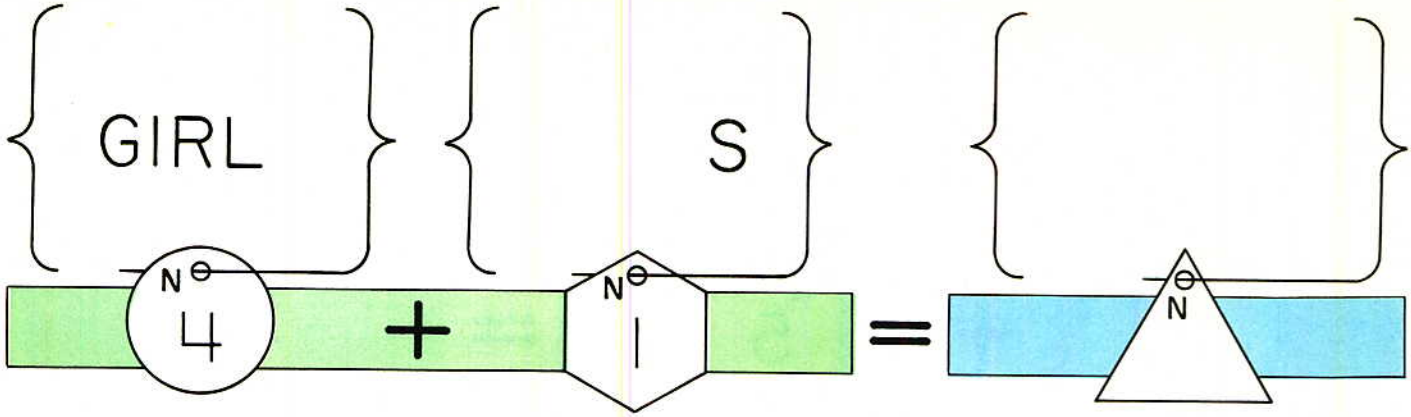
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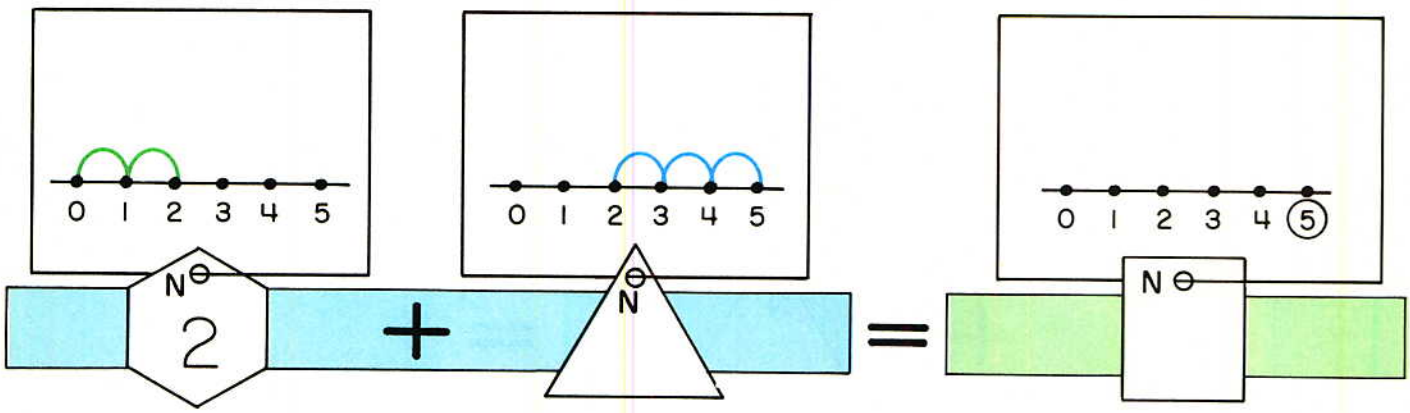
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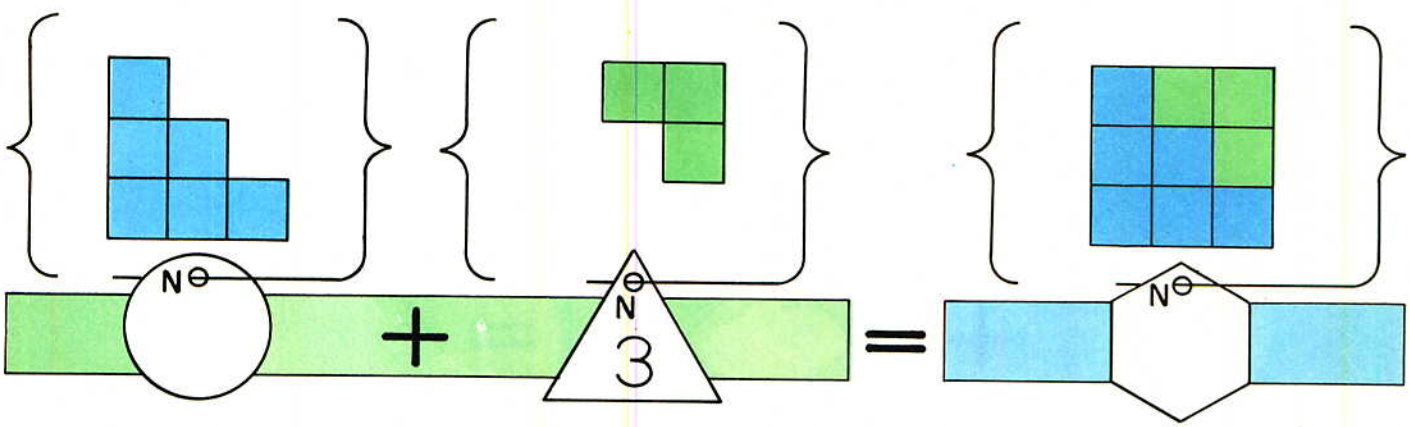
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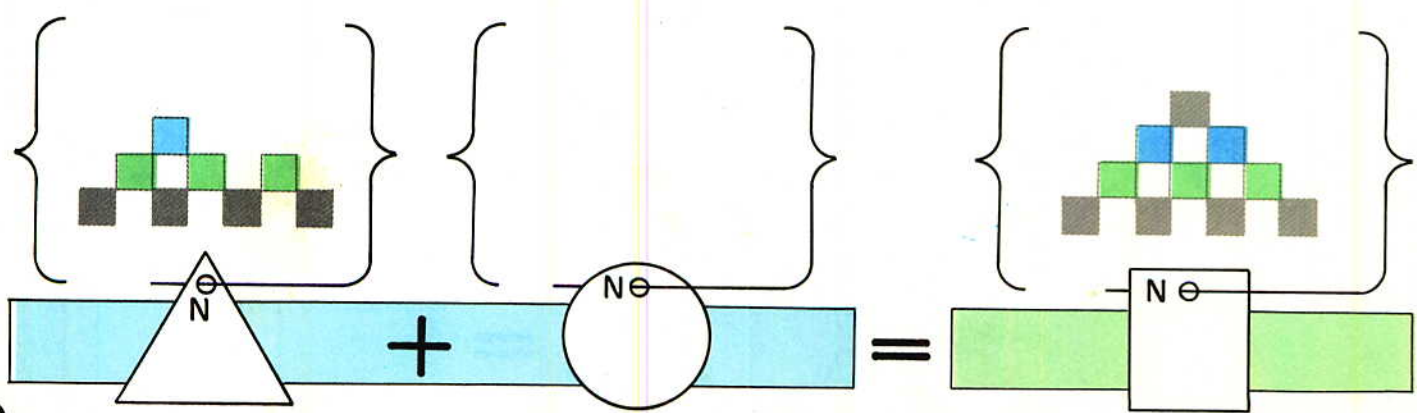
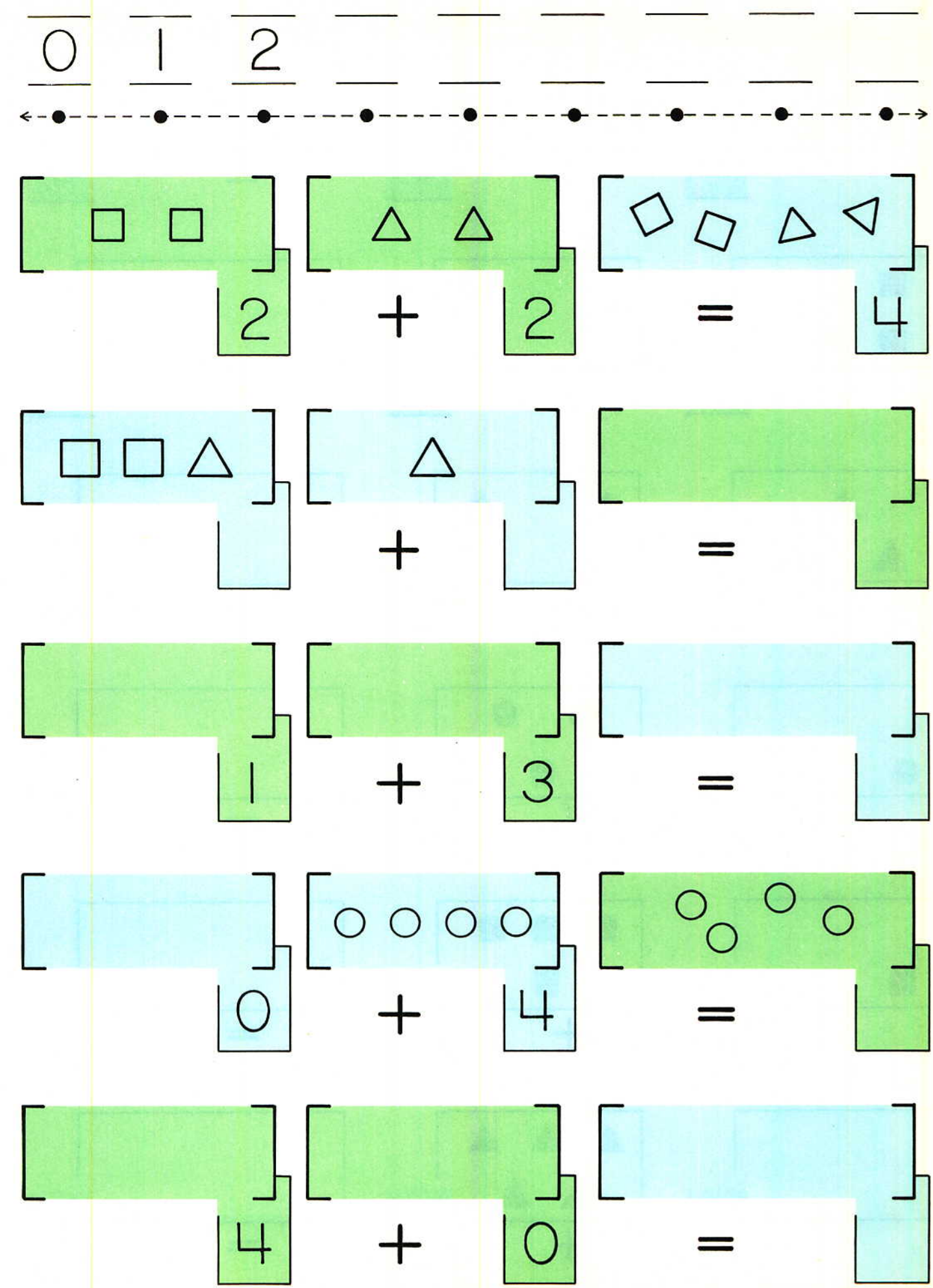
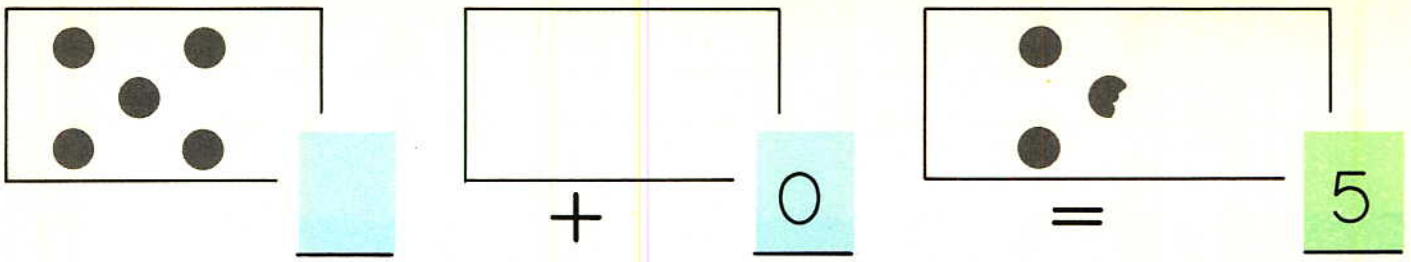

N
+
N
=
N


0 1 2
2
+
2
=
4
+
=
1
+
3
=
0
+
4
=
4
+
0
=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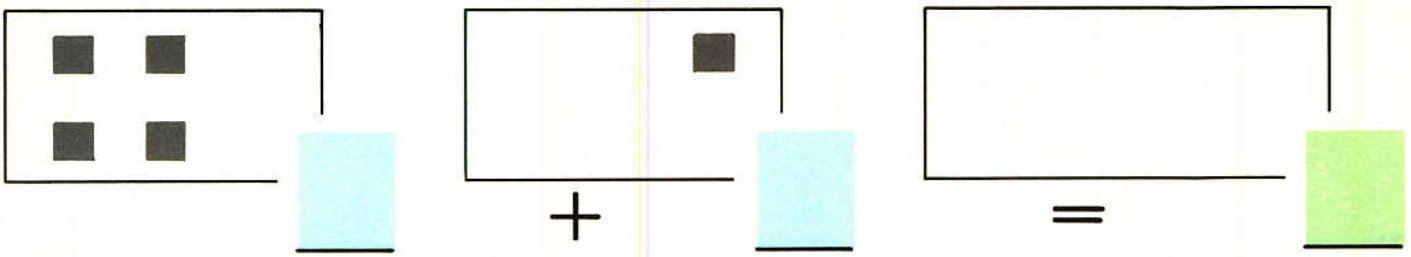
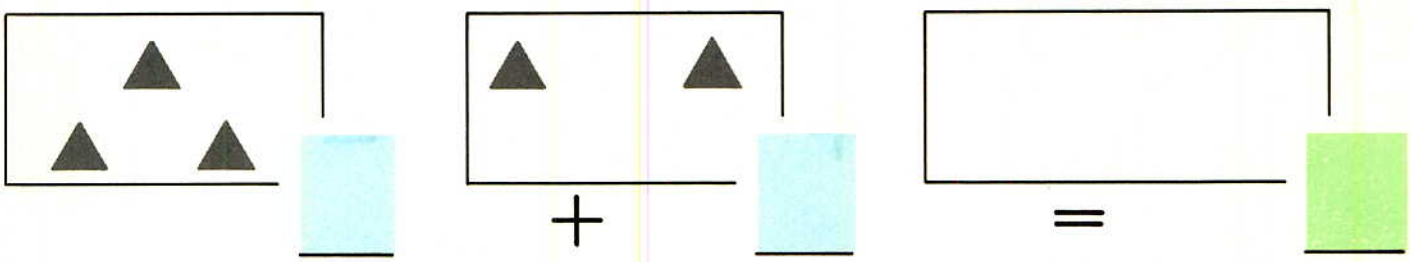
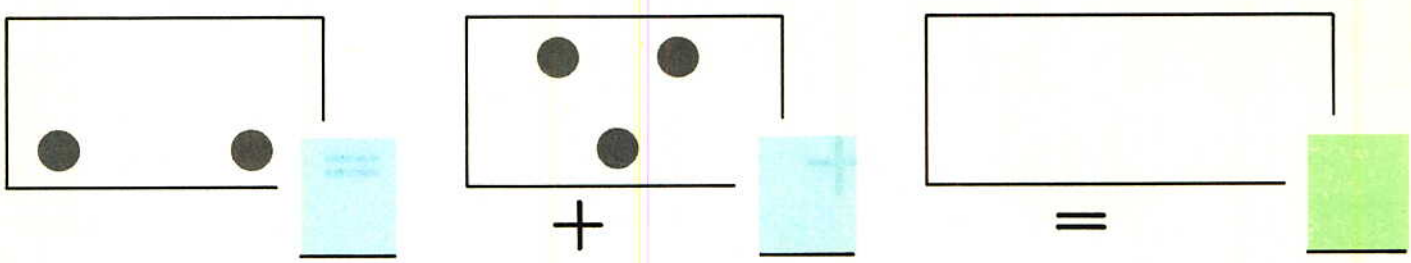
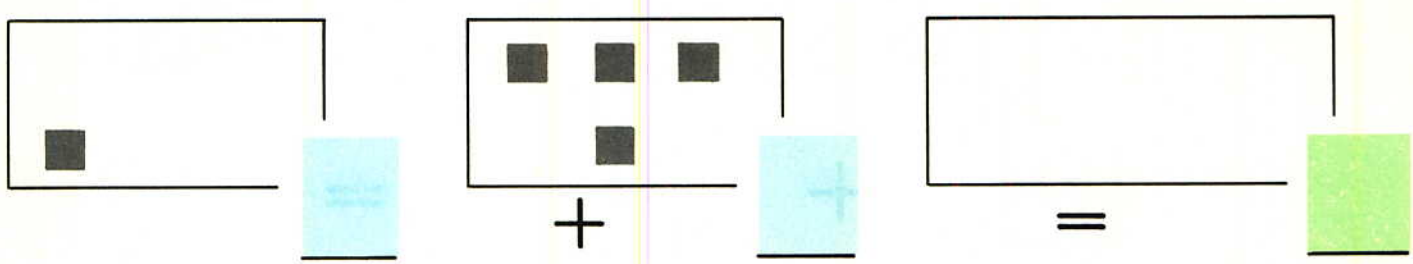
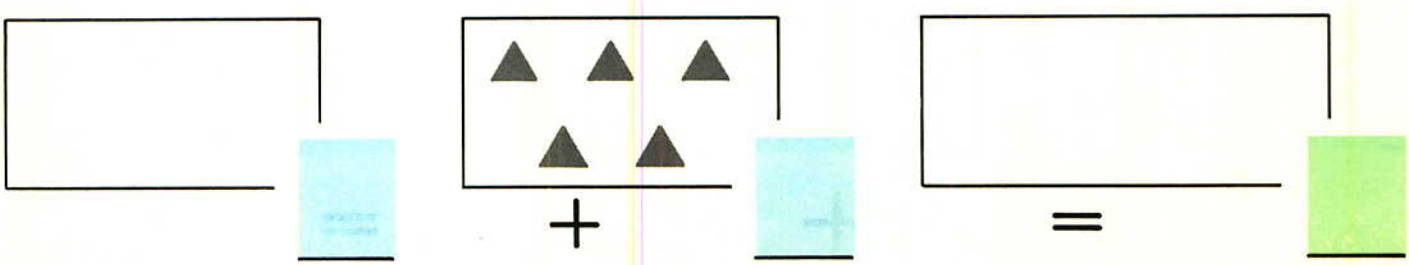
5

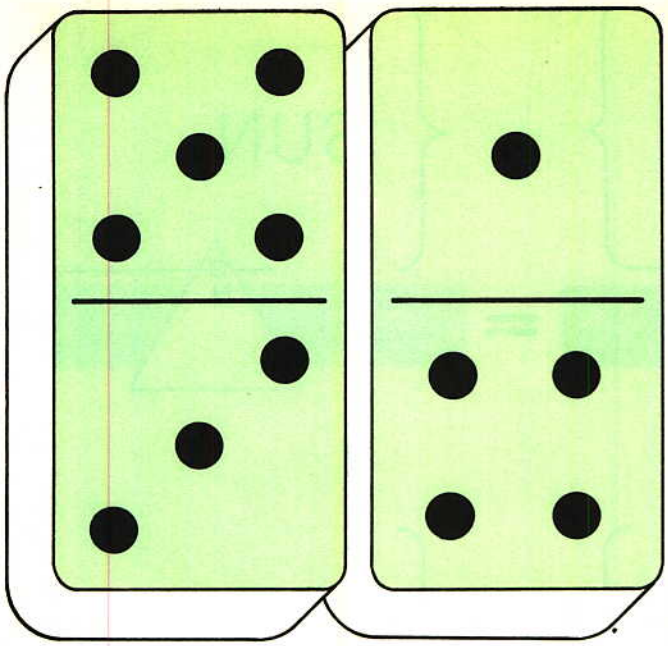


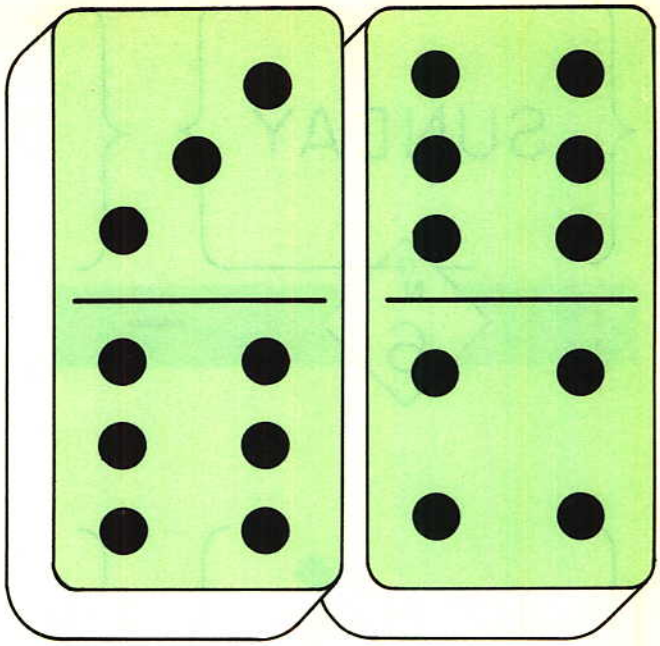










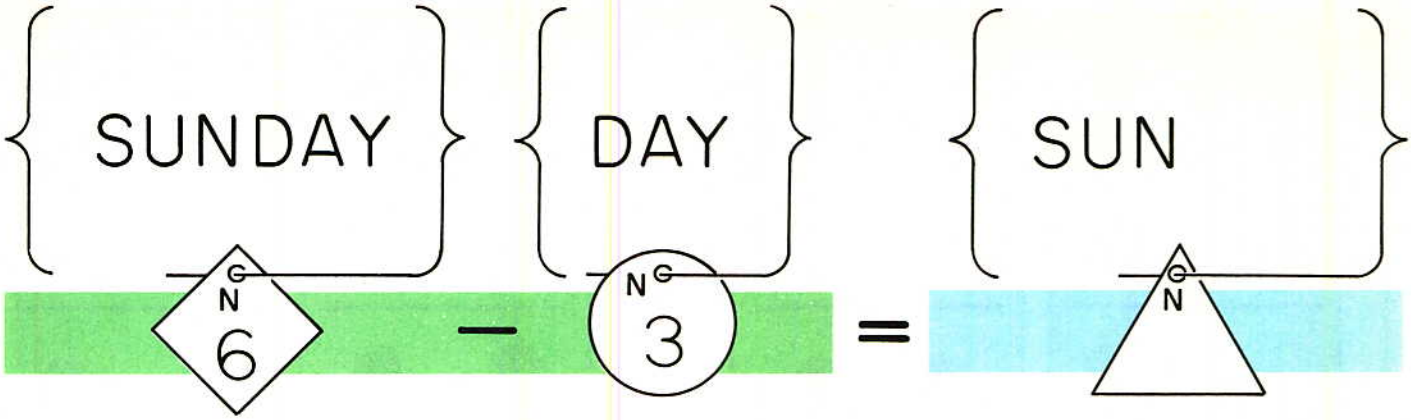


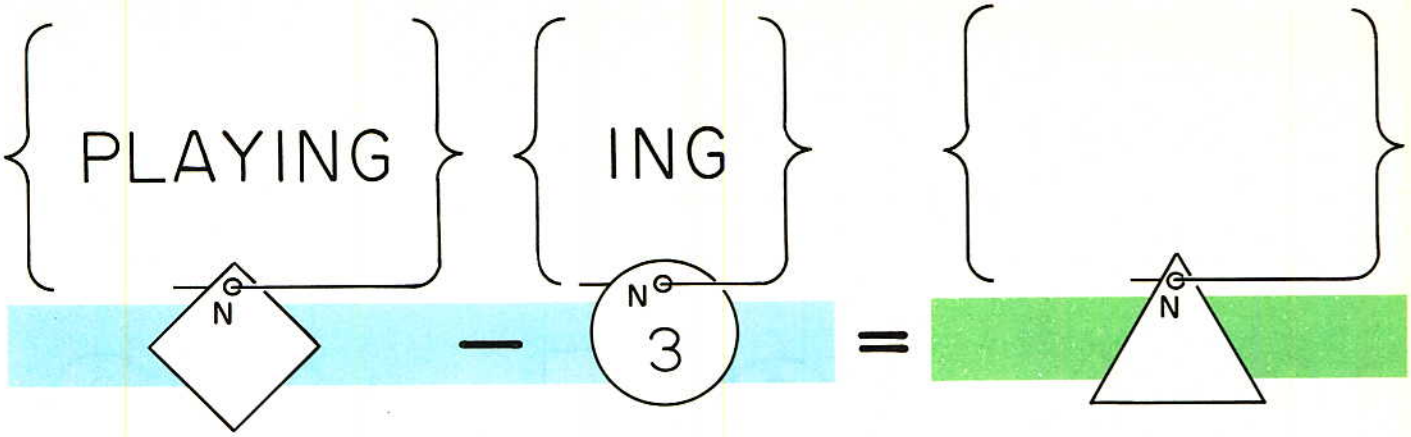
5		6
		13

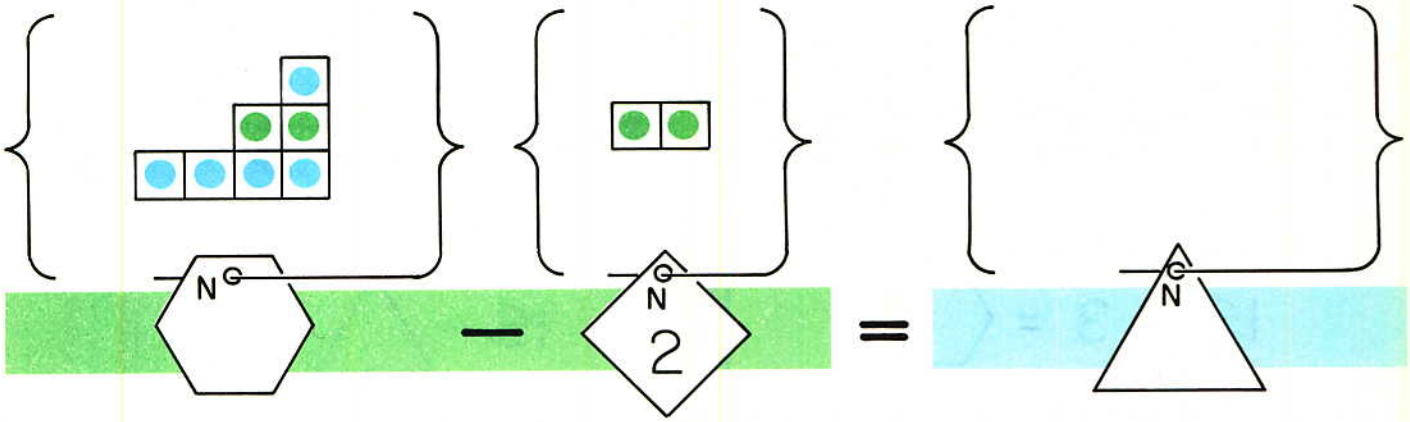
1	2	2	3	3	4	4	5
+ 2	+ 1	+ 3	+ 2	+ 4	+	+	+
3					7	9	9

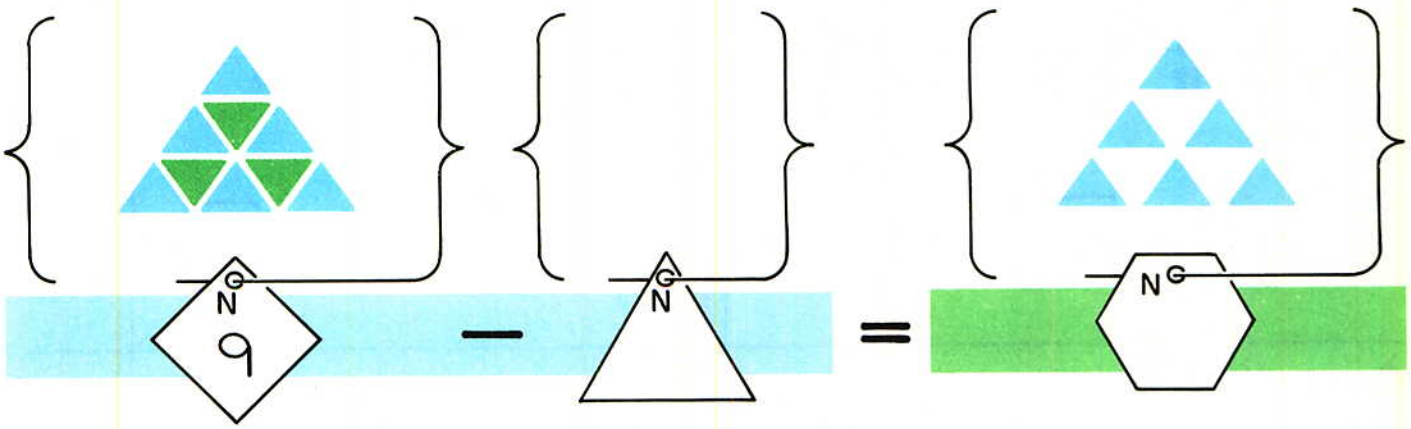
$5 + 2 = \boxed{7}$ $\quad 2 + 5 = \triangle$

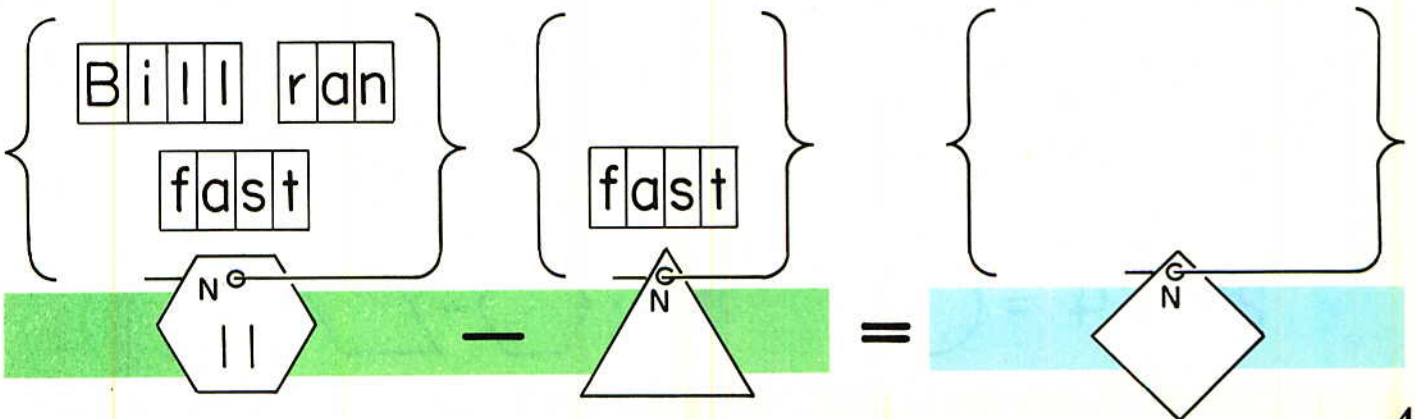
$6 + 3 = \hexagon$ $\quad 3 + \triangledown = 9$

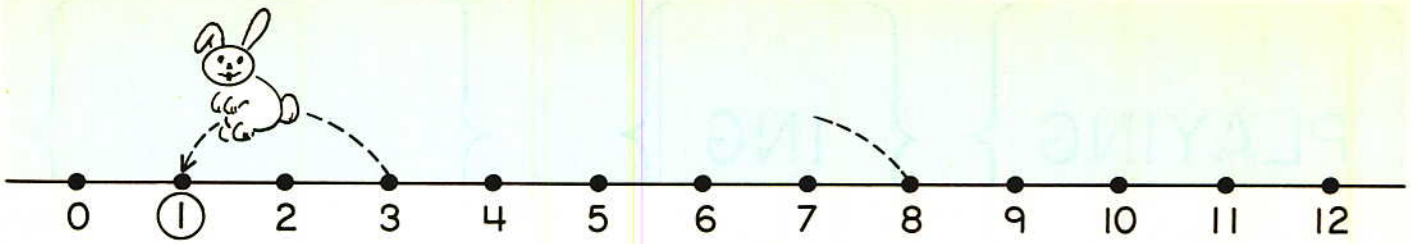

SUNDAY
DAY
SUN
N
6
N
3
N
N
N
N
N
N
N
N
N
N
N
N


PLAYING
ING
N
N
3
N
−
=


N
N
2
N
−
=


N
9
N
N
−
=


Bill ran
fast
fast
N
11
N
N
−
=

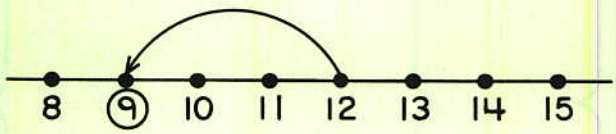


3 2 → 1

8 3 → □

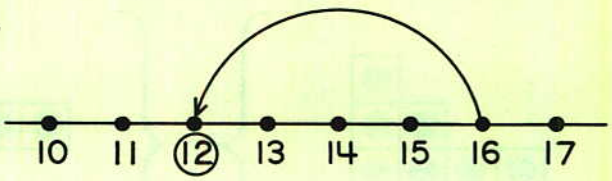
11 → 9

K



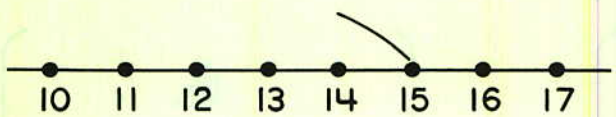
12 - 3 = ⬡

L



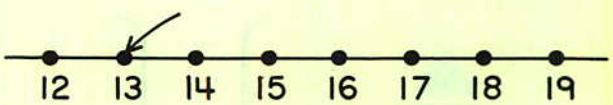
16 - △ = 12

M



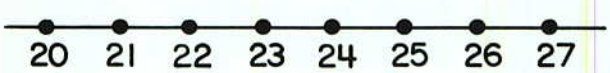
△ - □ = 10

N



□ - 4 = ⬡

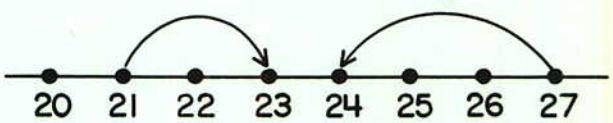
O



26 - 5 = □

20 + 4 = ○

P



□ + ▽ = ○

⬡ - ▱ = △

1 + 0

2 + 0

(3 + 0)

4 + 0

3 + 1

(3 + 2)

3 + 3

I

1 + 2 + 1

1 + 2 + 2

1 + 2 + 3

six

4 + 1

three

two

II

3 + 0

3

III

five

2 + 1

0 + 1

0 + 2

0 + 3

0 + 4

eight

IV

seven

1 + 4

nine

3 + 2

5

four

0 + 1 + 1

1 + 1 + 1

2 + 1 + 1

V

1 + 2

ten

1 + 3

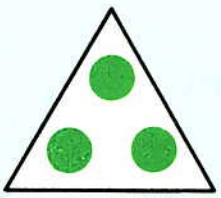
2 + 3

3 + 3

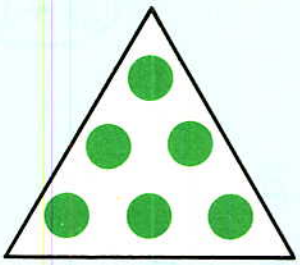
one

VI

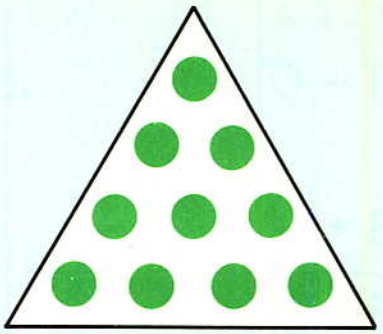
A. 1



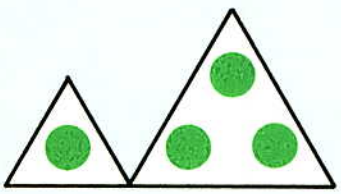
B. 3



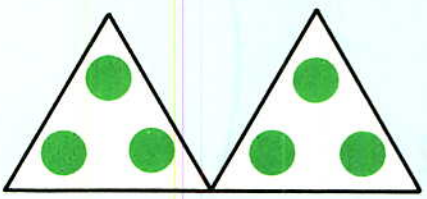
C. _____



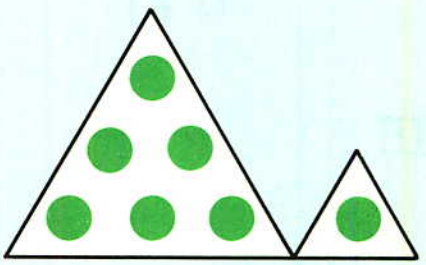
D. _____



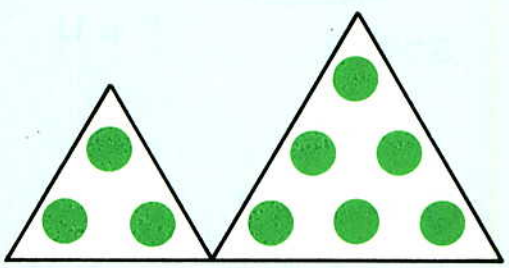
E. 1 + 3 = 4



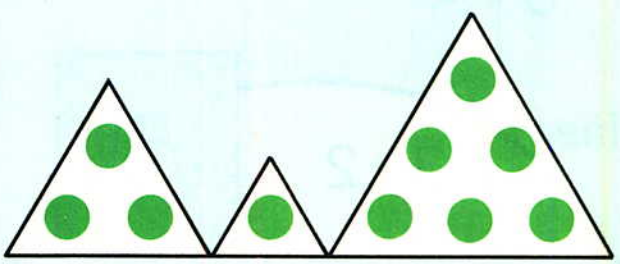
F. 3 + _____ = _____



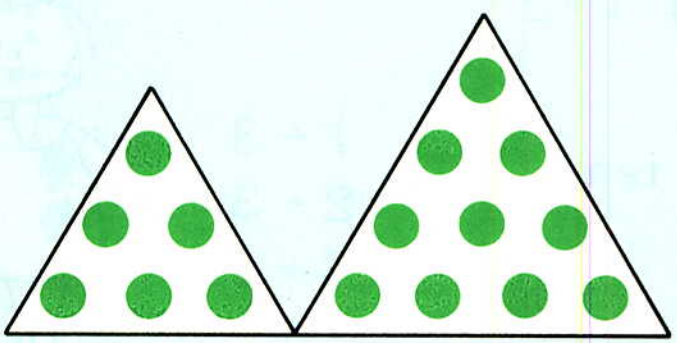
G. _____ + _____ = _____



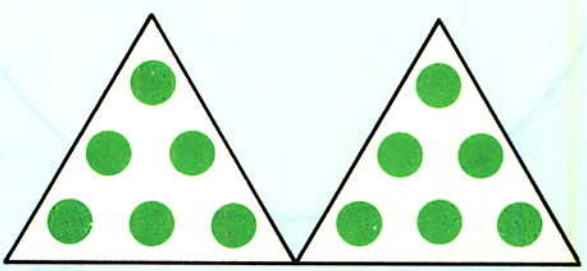
H. _____ + _____ = _____



I. _____ + _____ = _____



J. _____ + _____ = _____



K. _____ + _____ = _____

I

DOGS
CAN
RUN

14

FAST

10

4

+

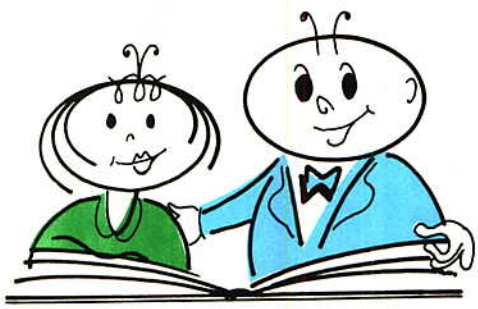
II

IT

12

IS A
NICE
DAY

+



III

SHE

IS MY
MOTHER

+

IV

I

PLAY
WITH
ED

+

0	1	2	3	4

2		4	5	6

1	2	3		5

5	4		2	1

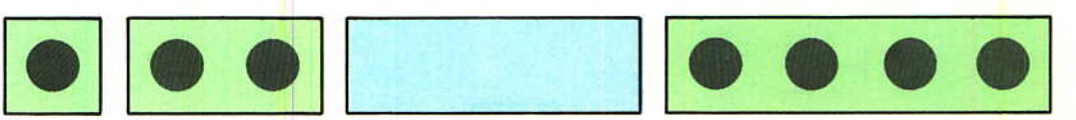
0	2		6	8

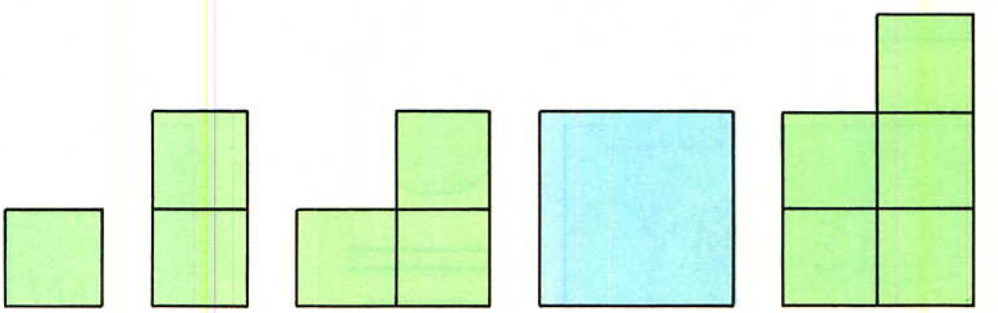
1		5	7	9

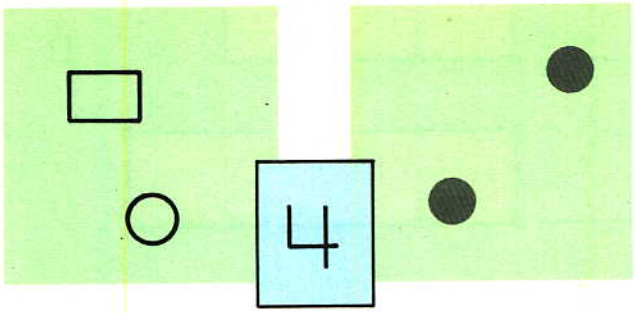
0	3	6		12

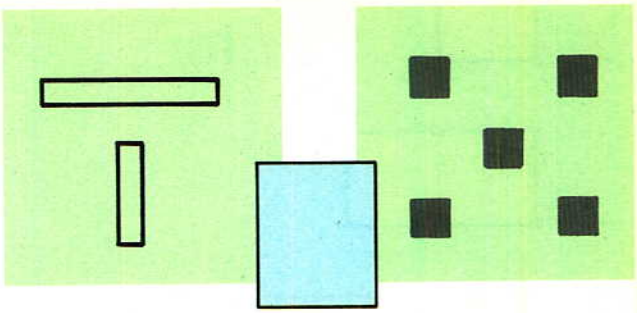
6	7		9	10

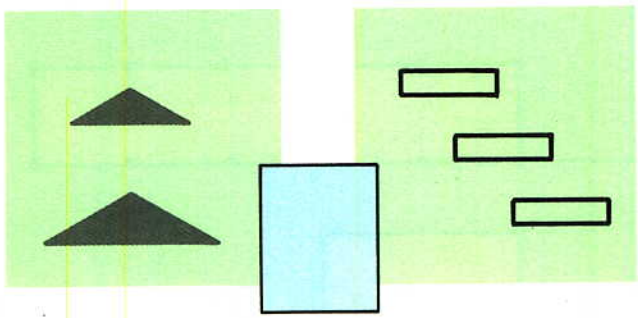
16
17
18
20

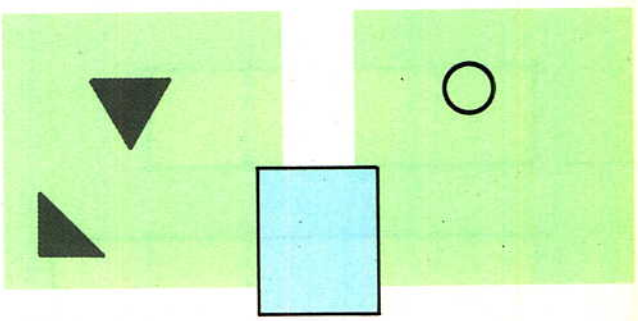


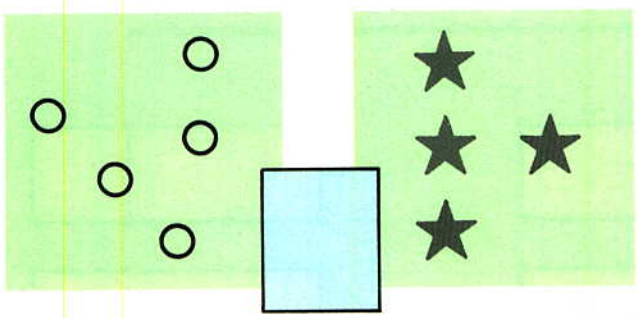


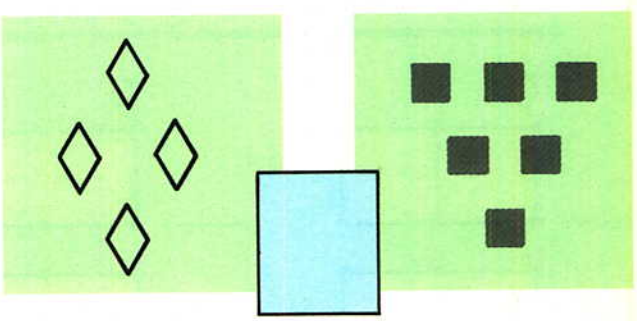

4

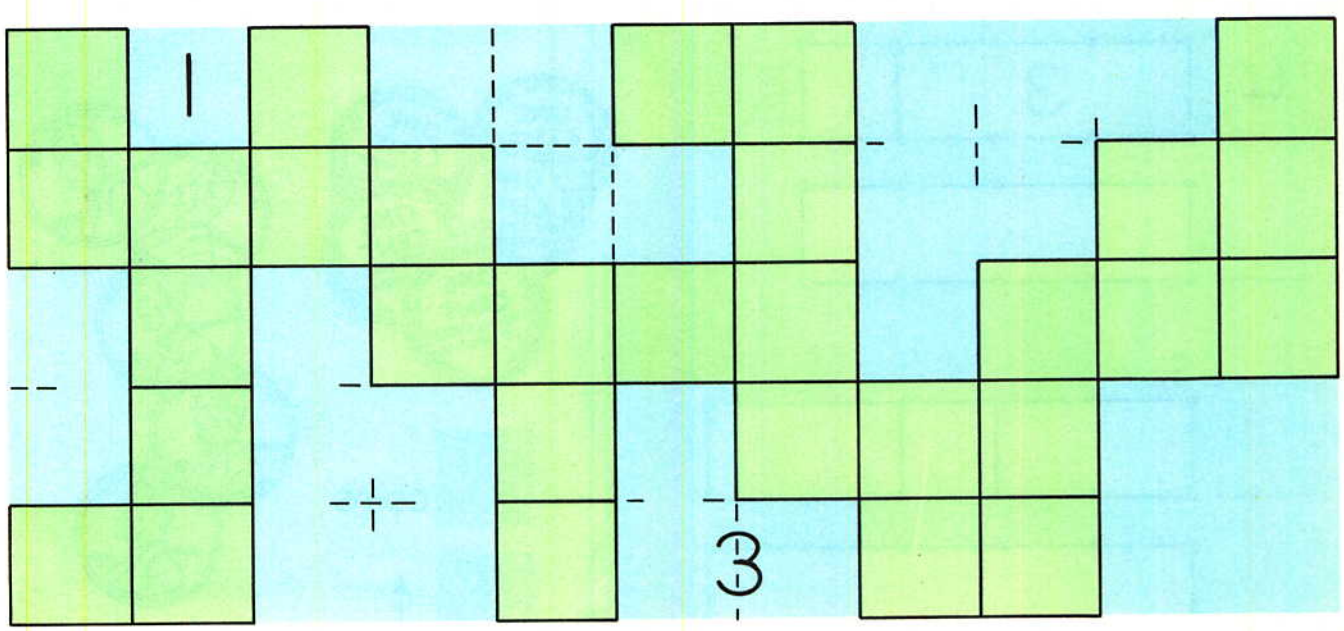











1
3

m.

1

n.

1

o.

2 2

p.

q.

r.

4 3 1

s.

coins

¢

a.

4

b.

6

c.

d.

8 4 4

e.

f.

g.

coins

¢

3 a

6

15 b

c d e

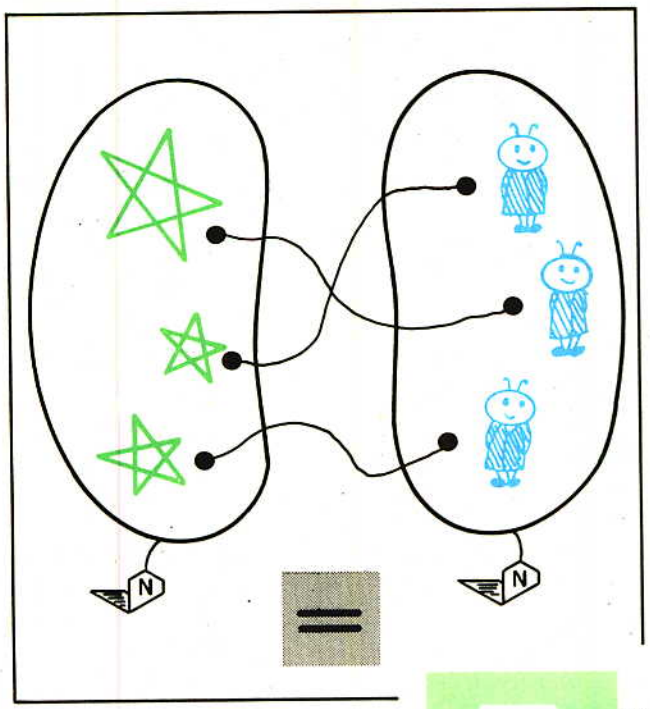
9 6

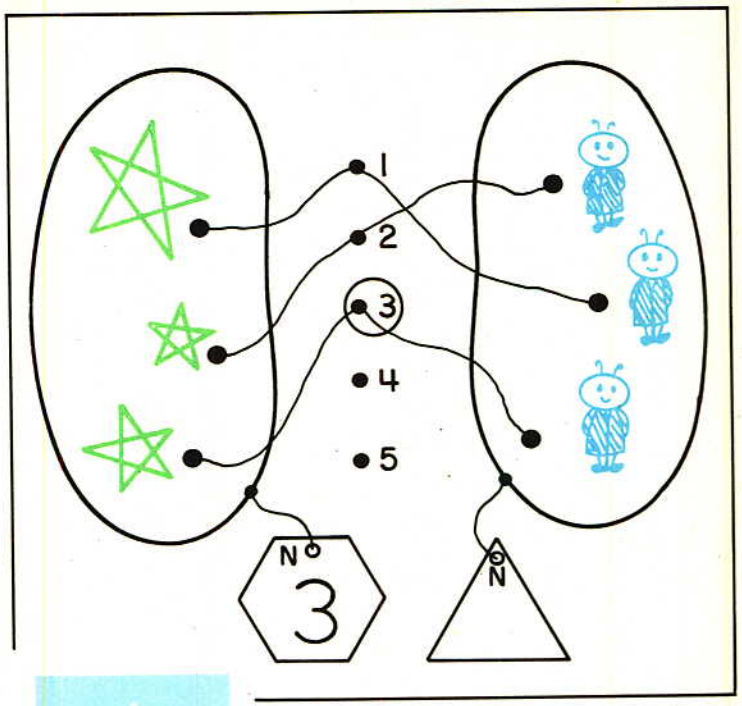
f

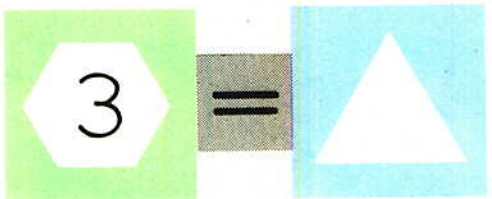
g

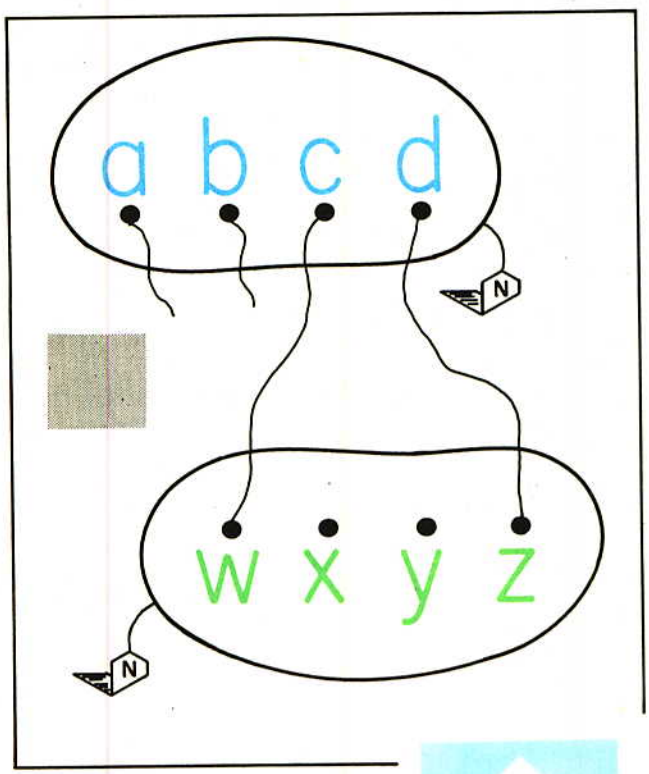
coins

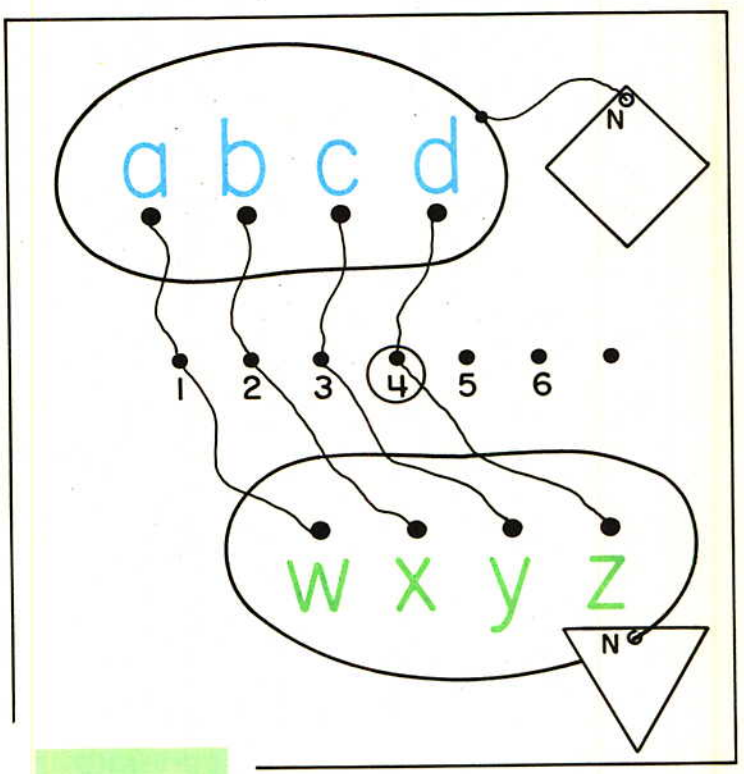
¢

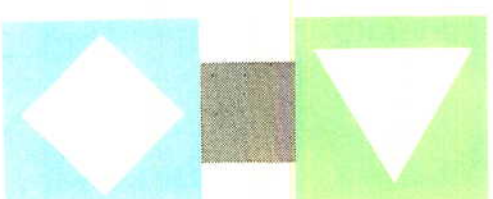

N
N

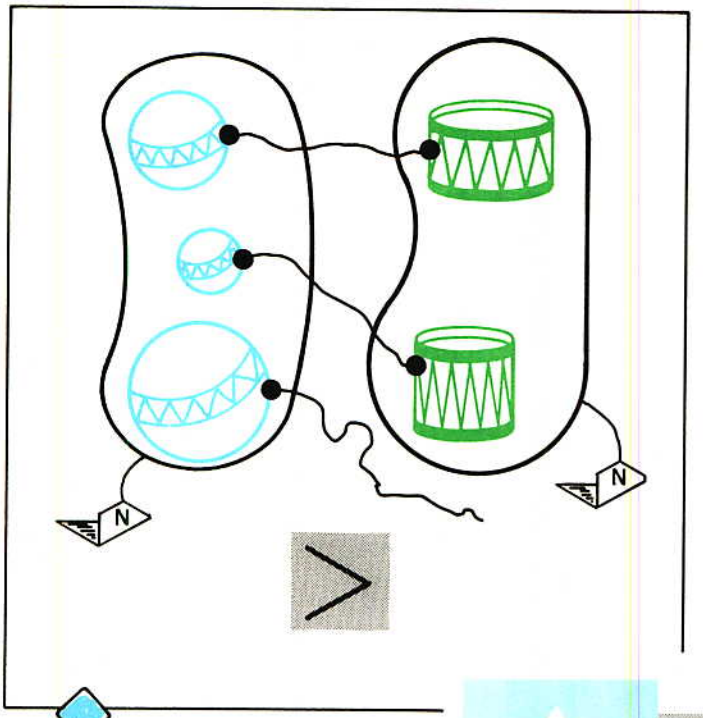

1
2
3
4
5
N
3
N

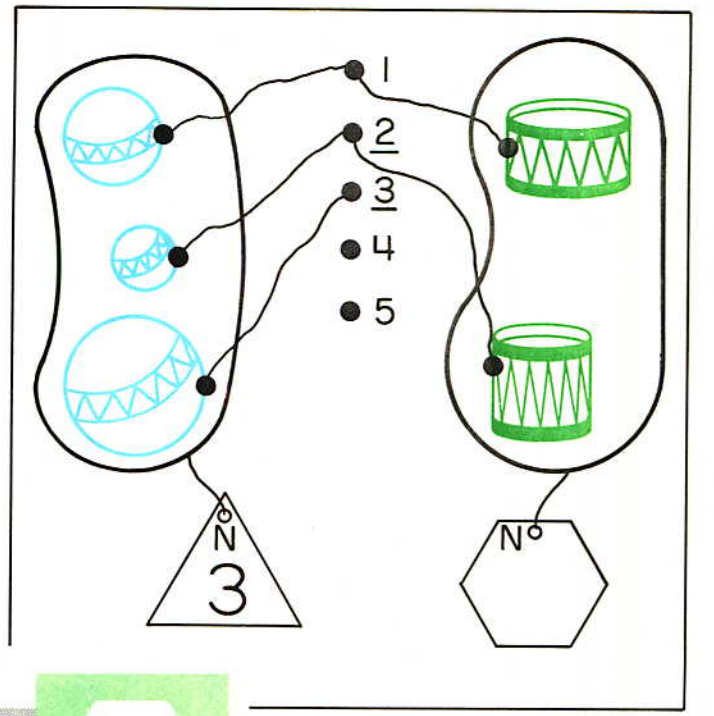

3

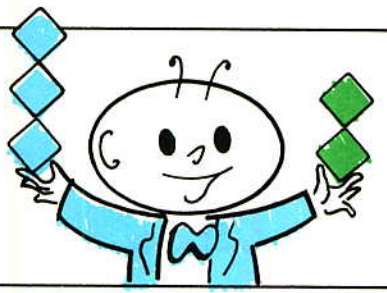

a b c d
N
w x y z
N


a b c d
N
1 2 3 4 5 6
w x y z
N









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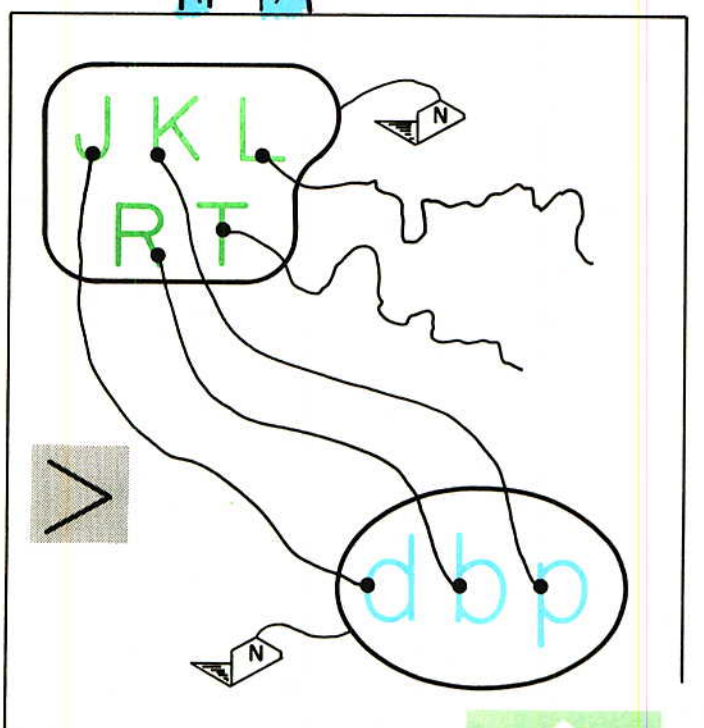

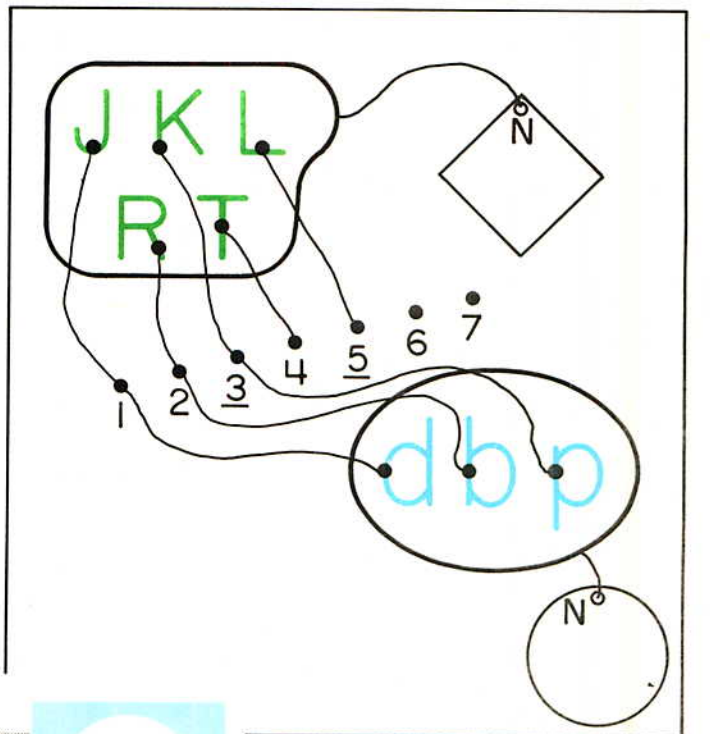

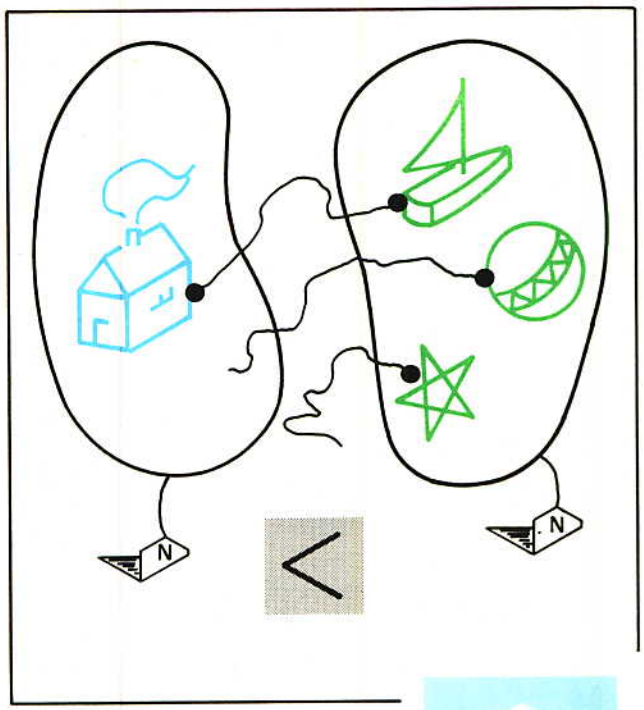

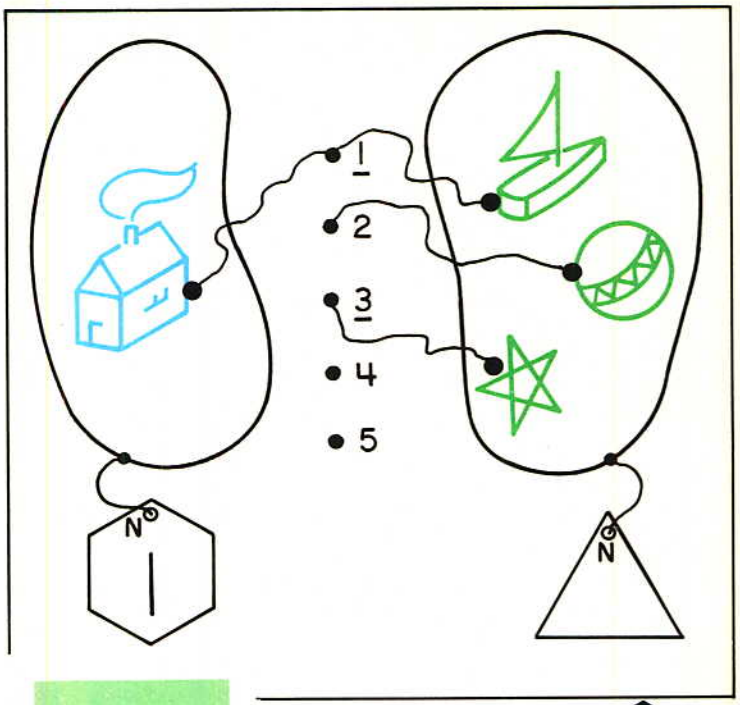
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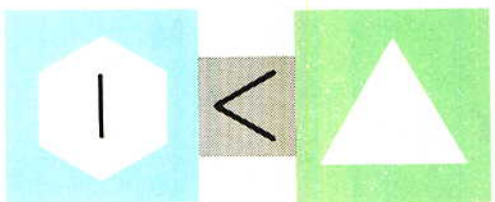

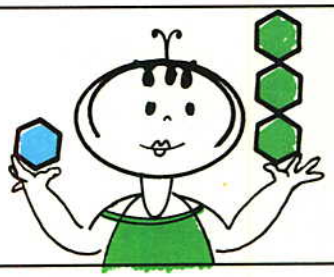

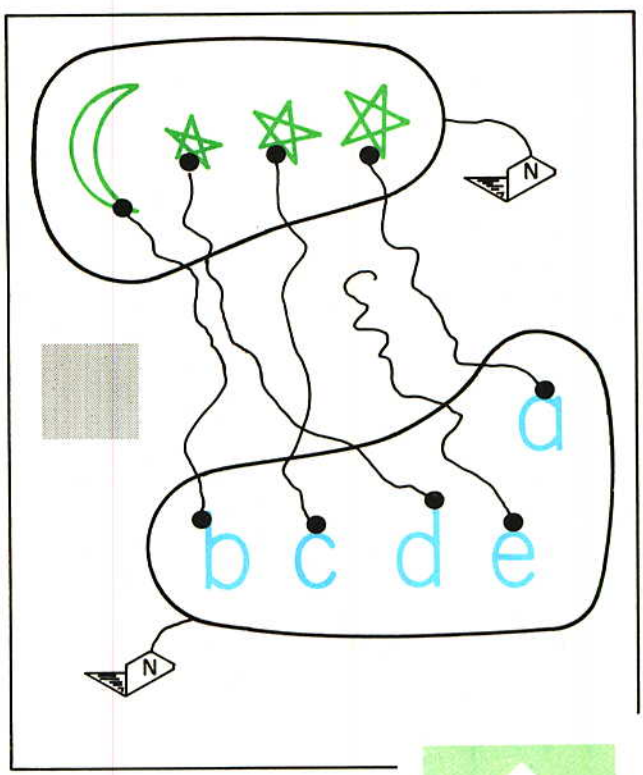
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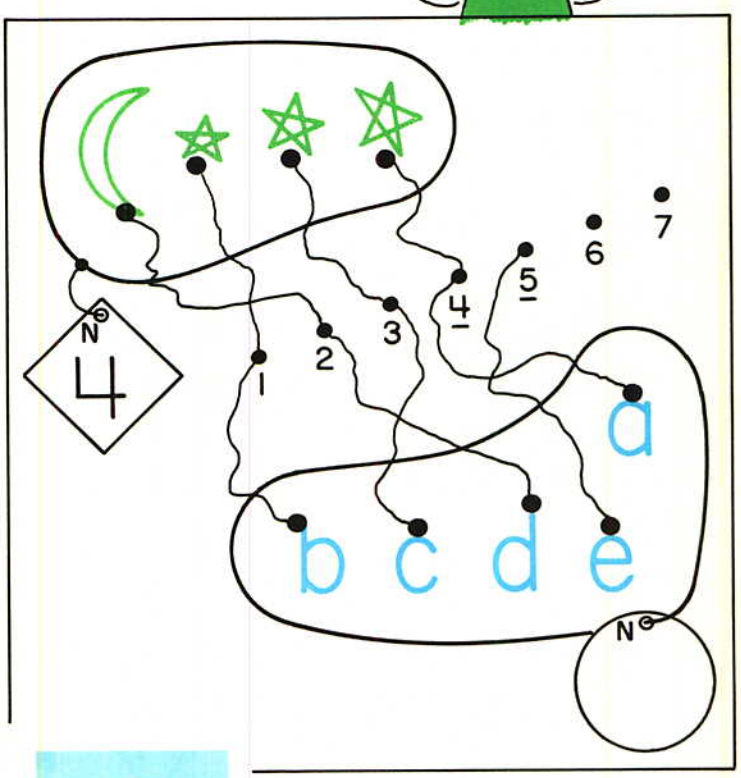
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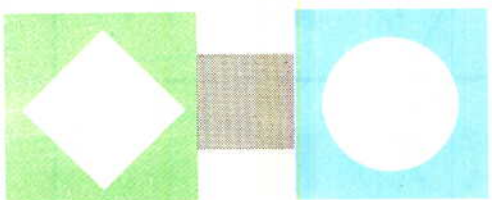

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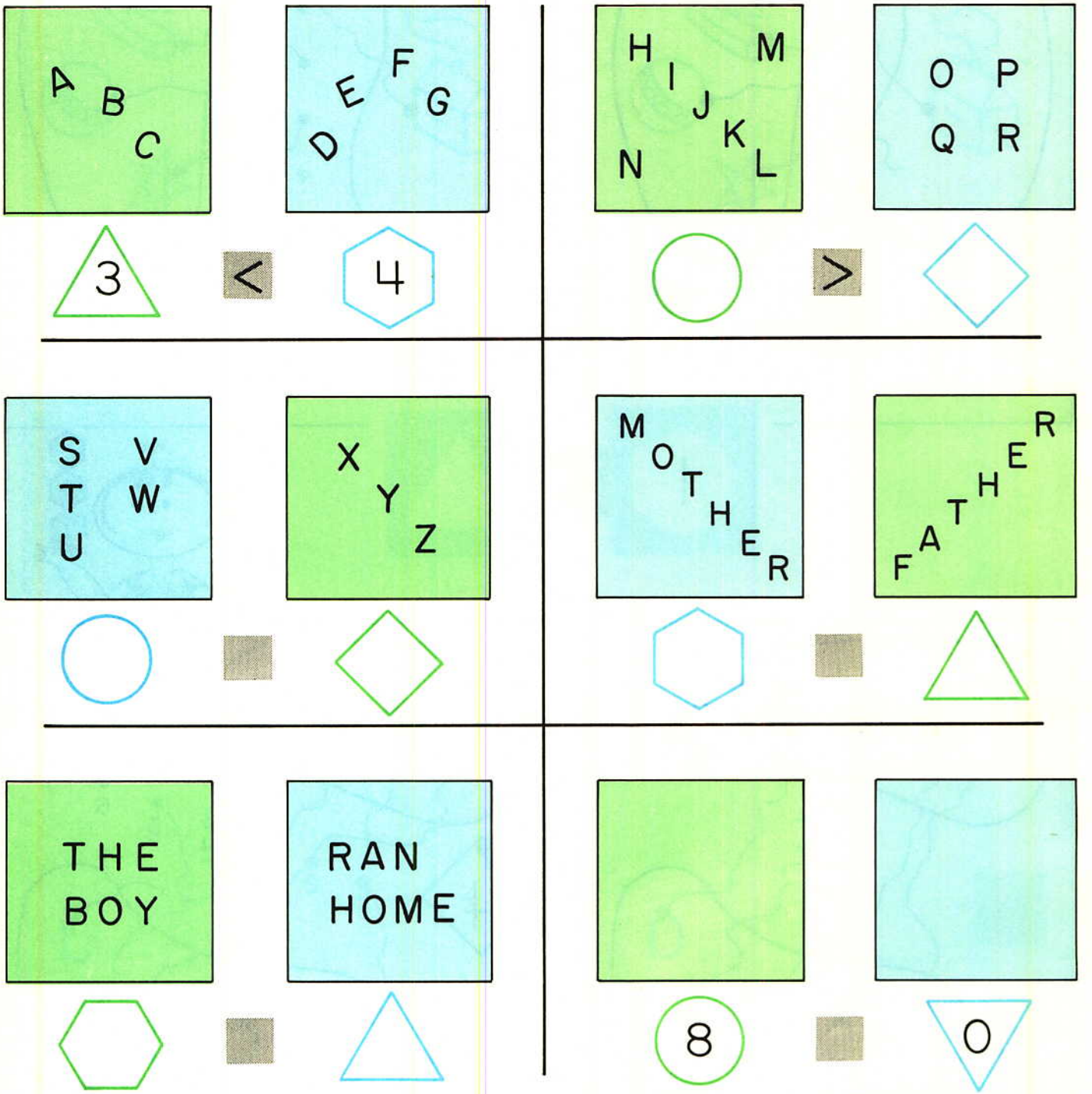
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D E F G
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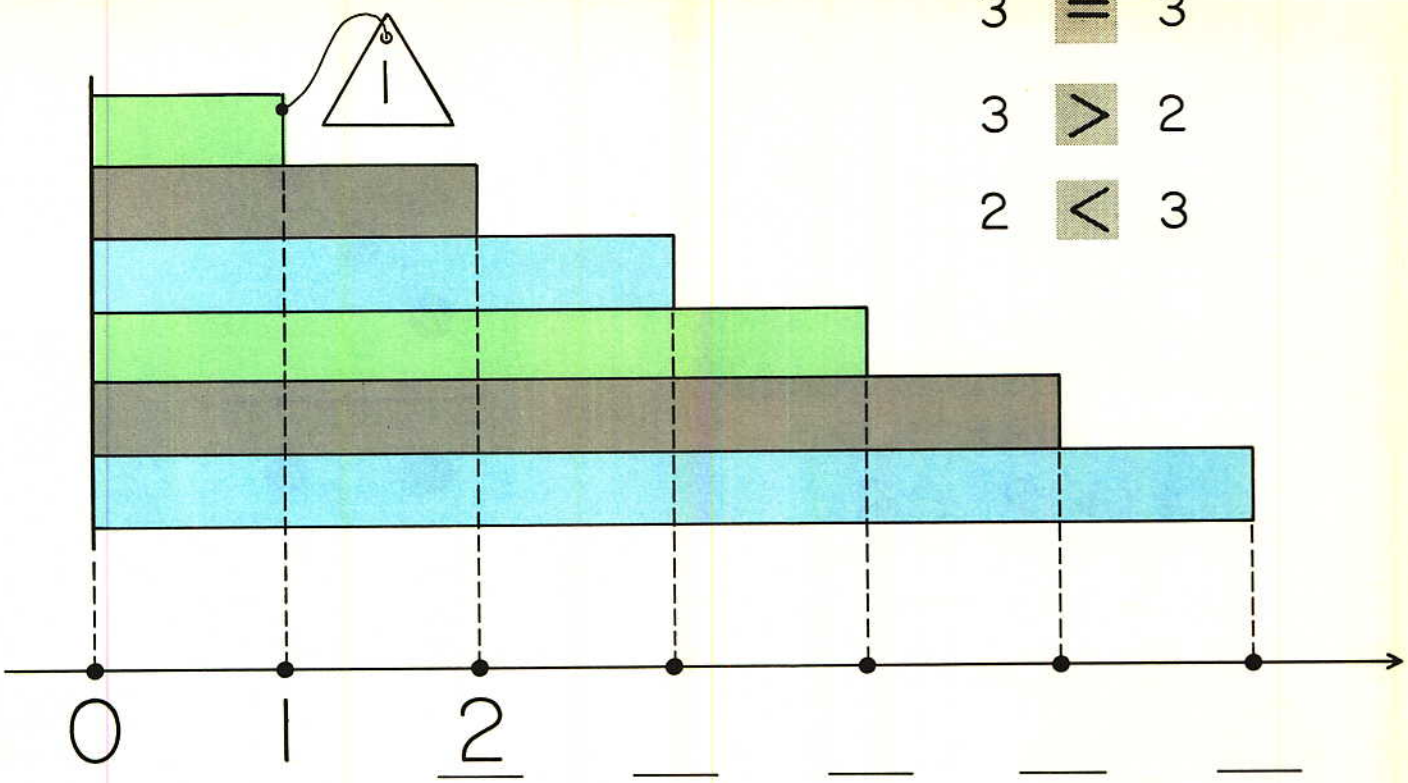
H I J K L M N
O P Q R
S T U V W
X Y Z
MOTHER
FATHER
THE BOY
RAN HOME
8
0
= 20
9 19
1 >
< 1
7 <
21 12



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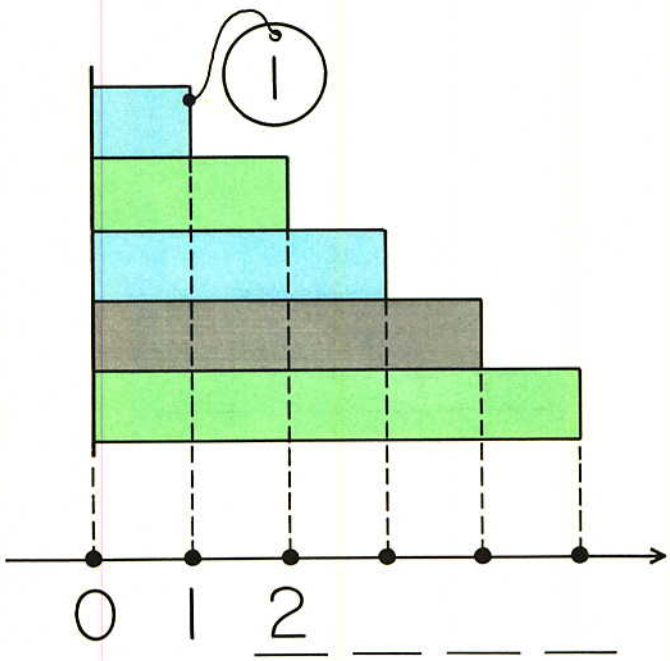
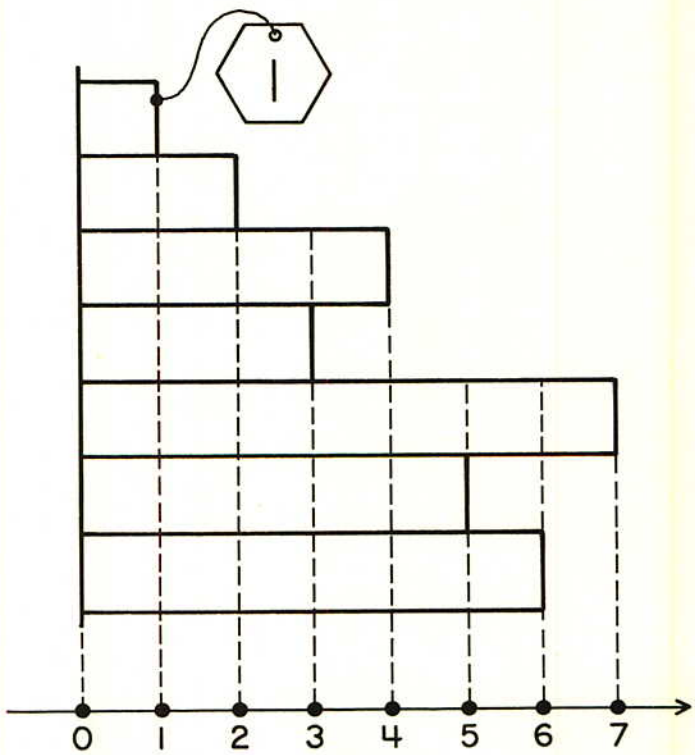
2 < 3



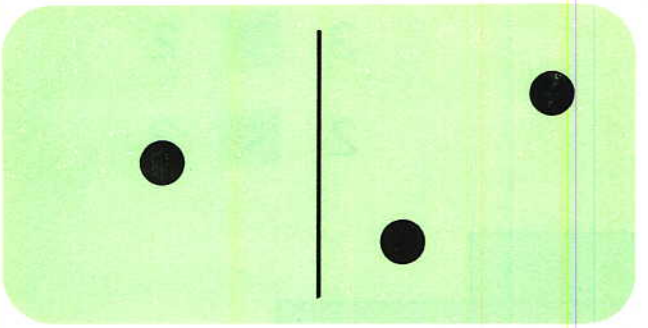


4 ▢ 2

1 ▢ 3

5 > ▽

1 > ○



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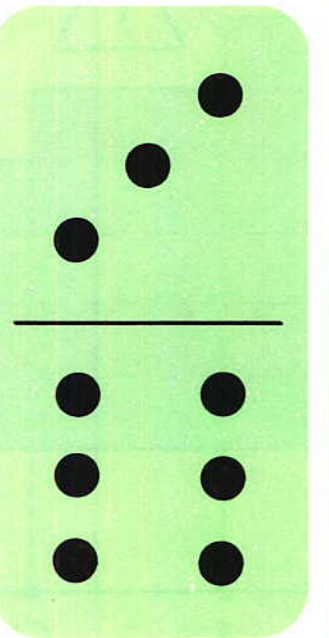

+ ___

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___

+ 5

___

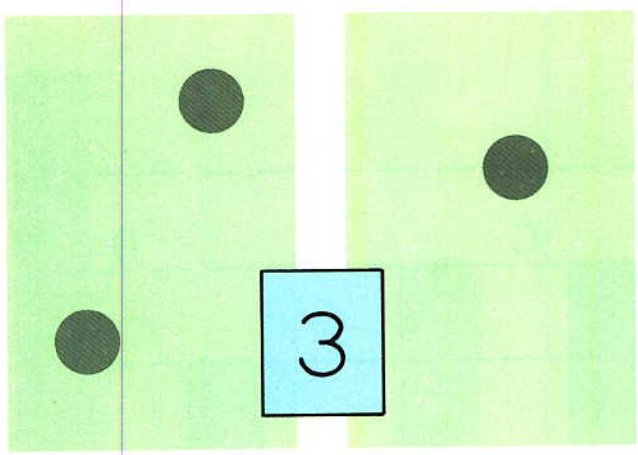
4 + 4 = ___

2 + 4 = ___

2 + 5 = ___

5 + 5 = ___

2	2	2	2
+ 0	+ 1	+ 2	+ 3
___	___	___	___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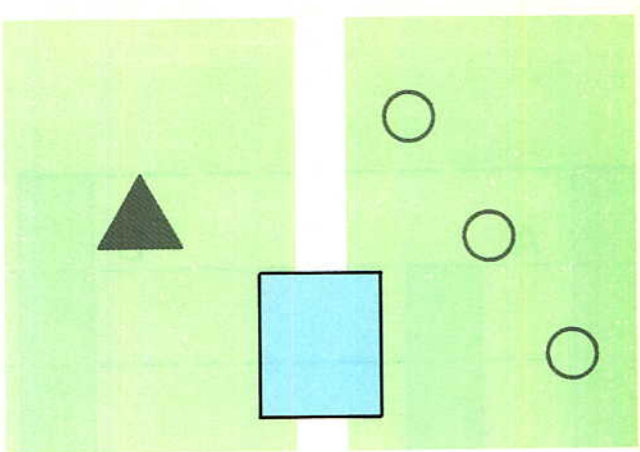

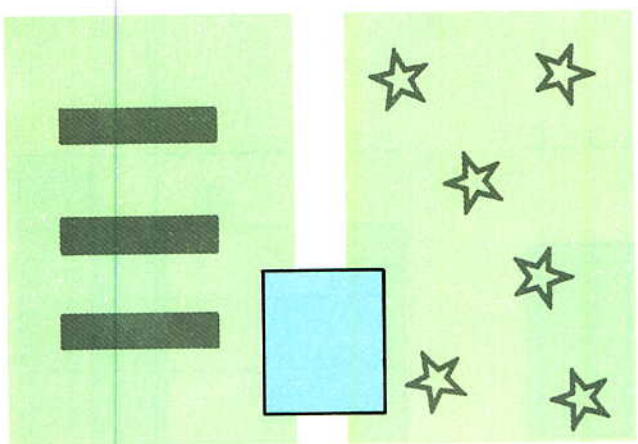

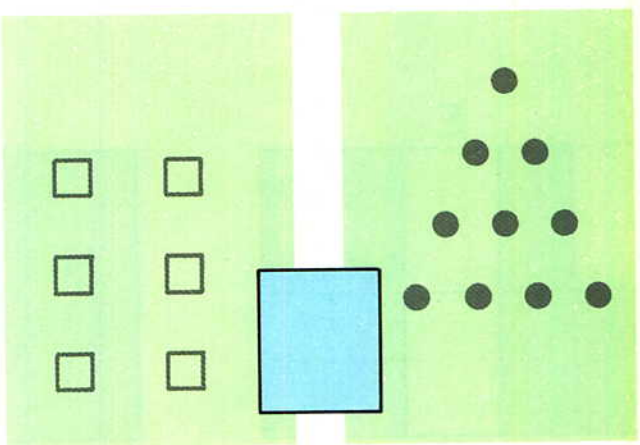

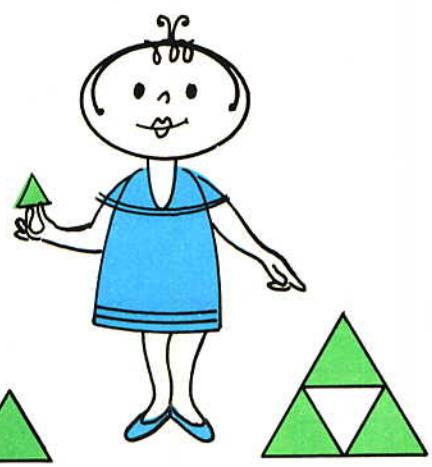

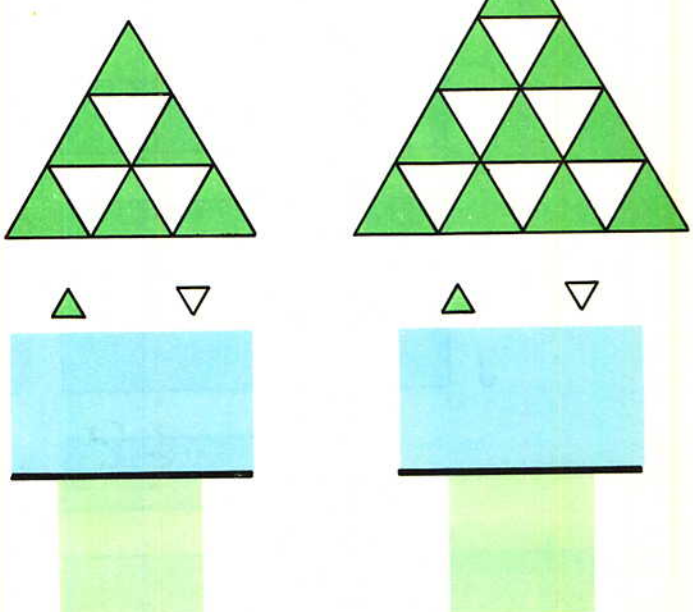
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3 1
1

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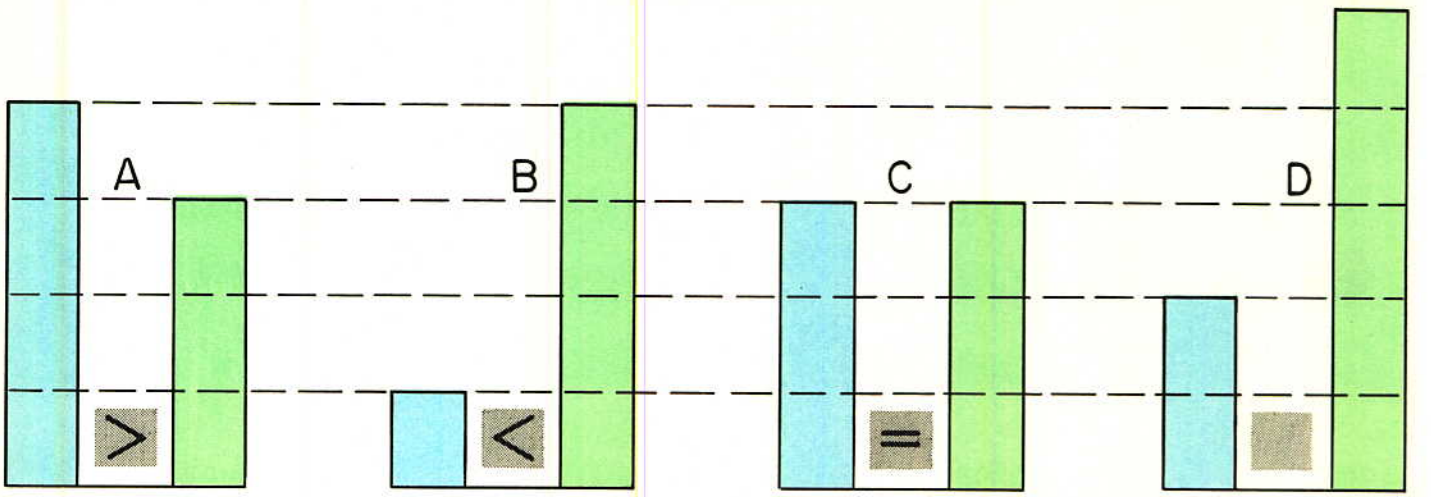

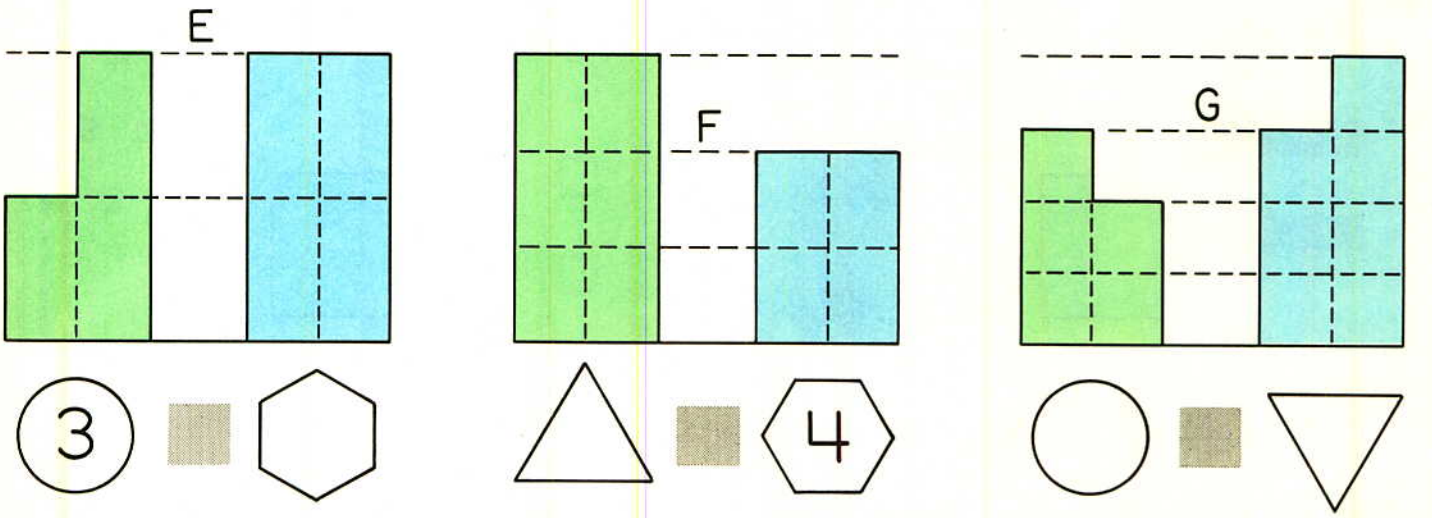

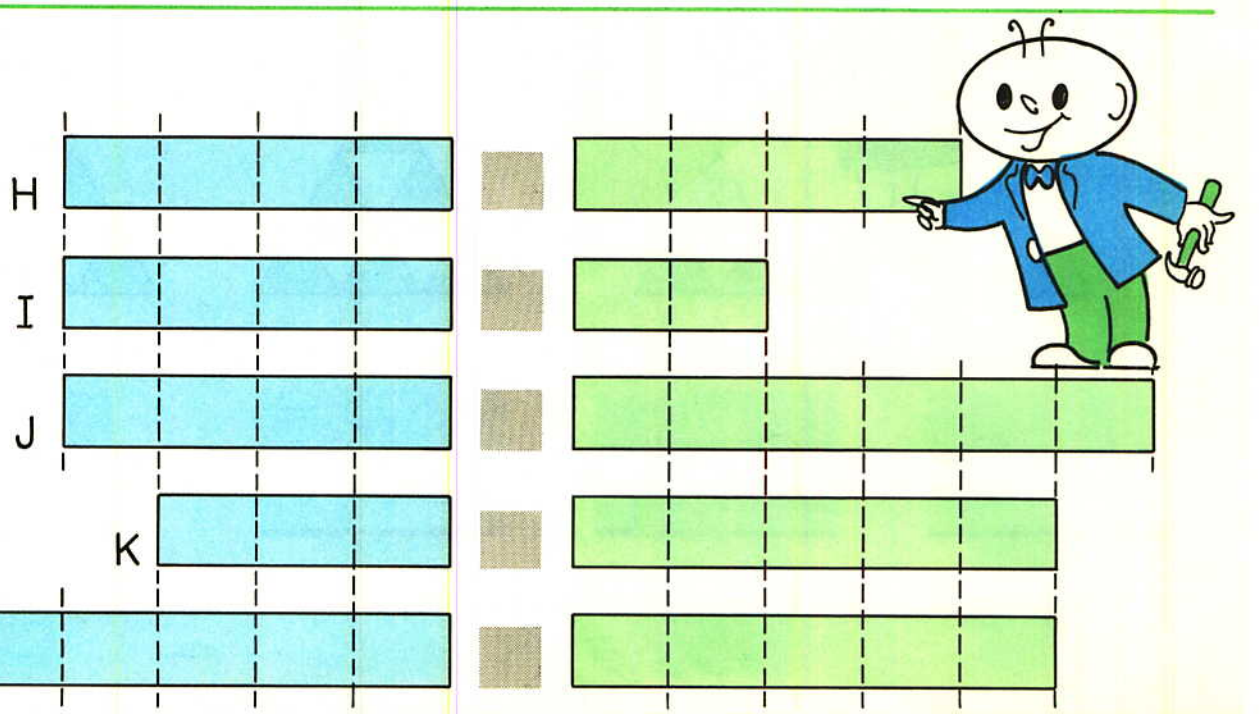

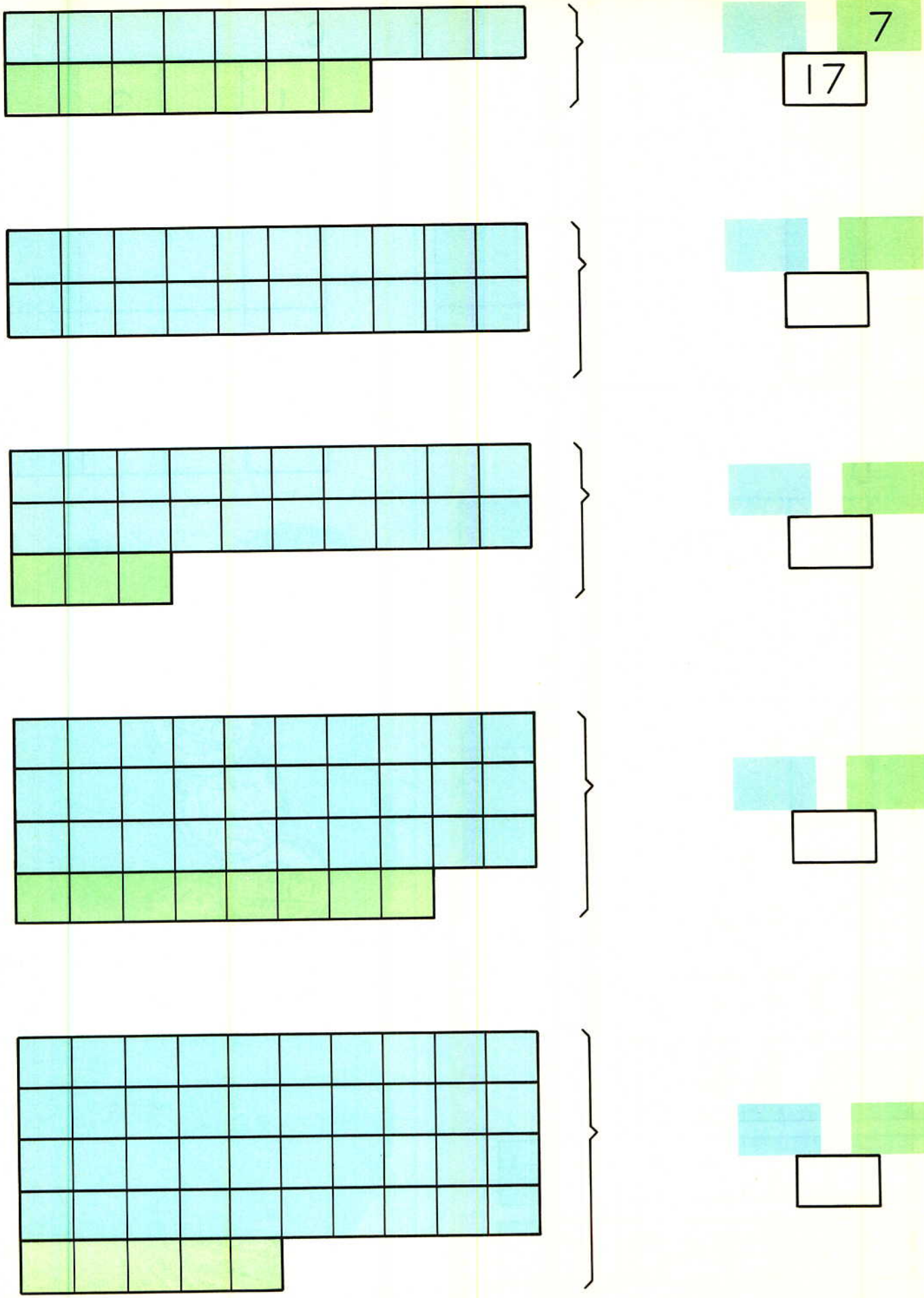
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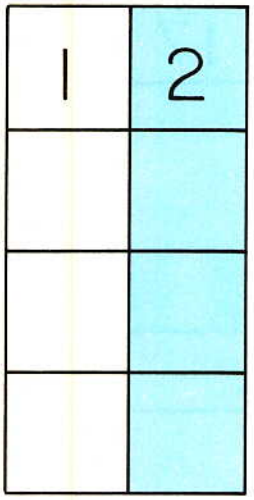

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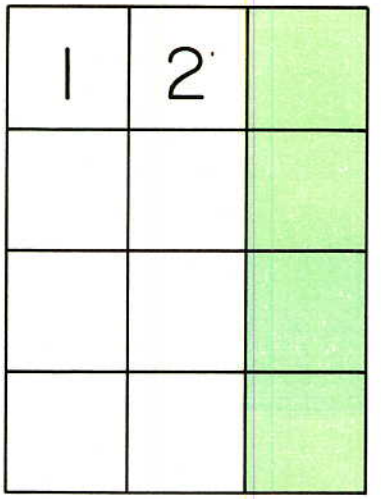

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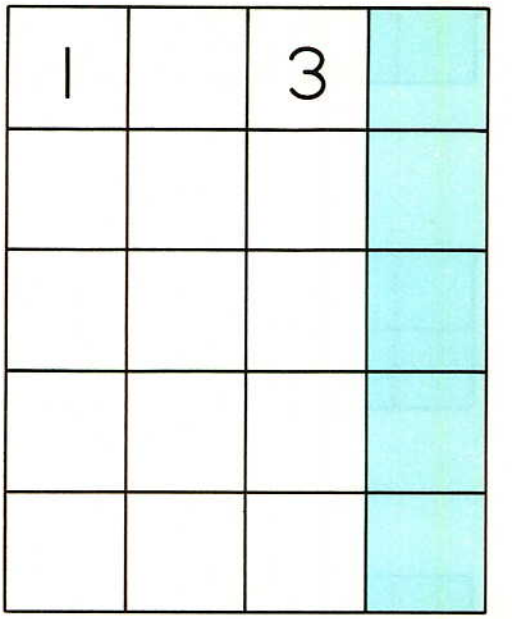

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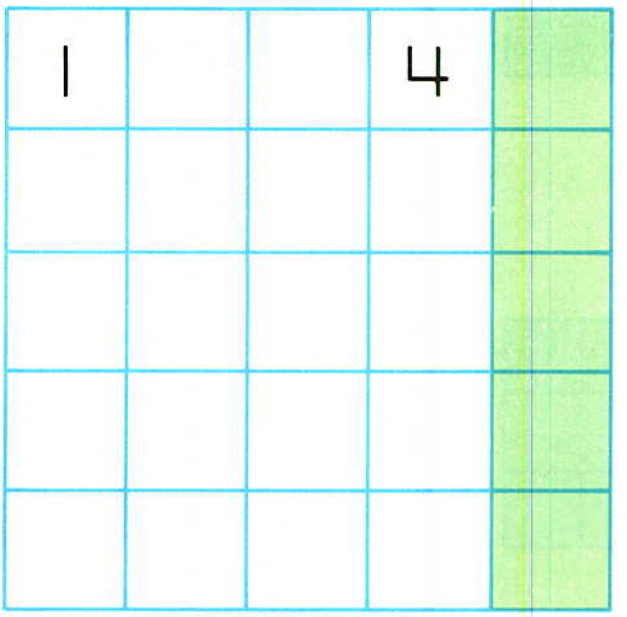

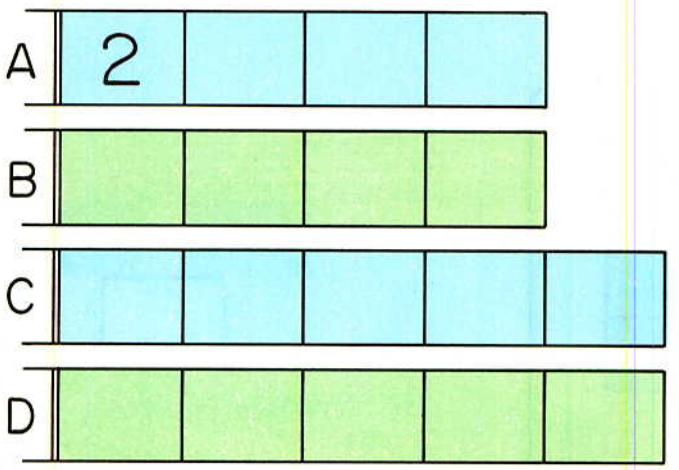

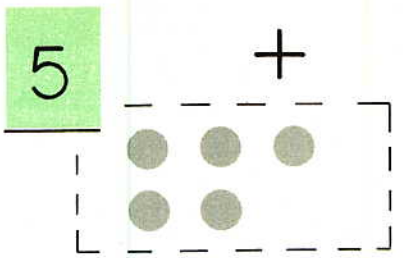
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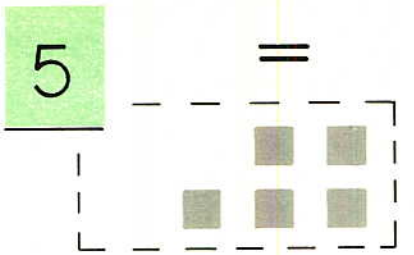
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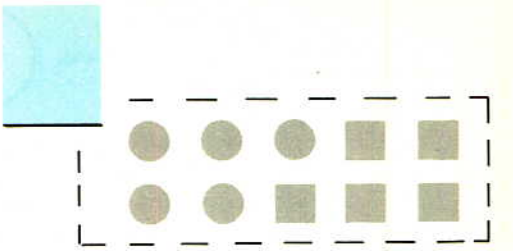

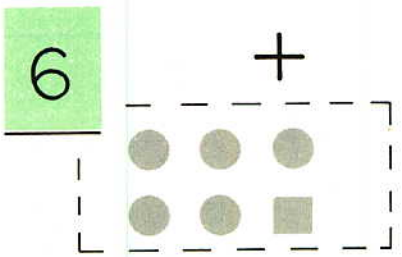
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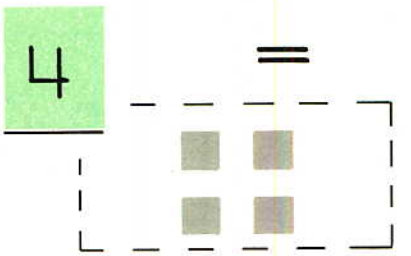
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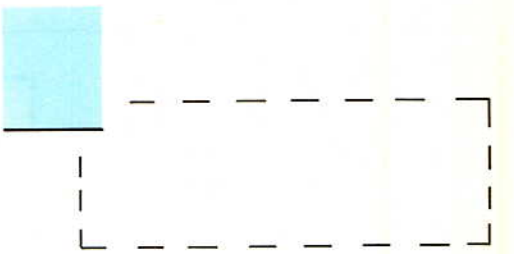

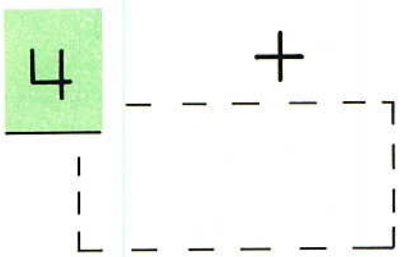
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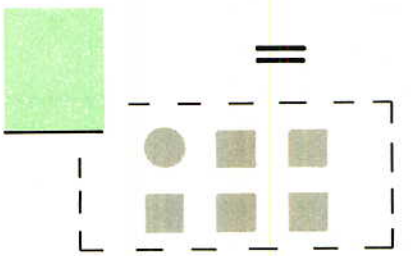
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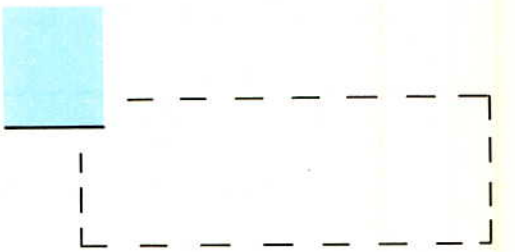

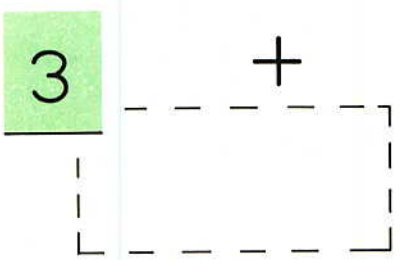
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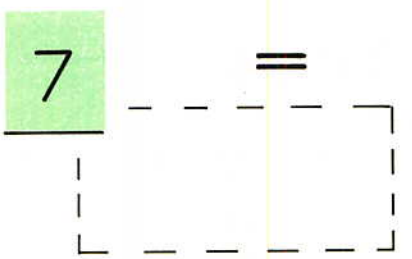
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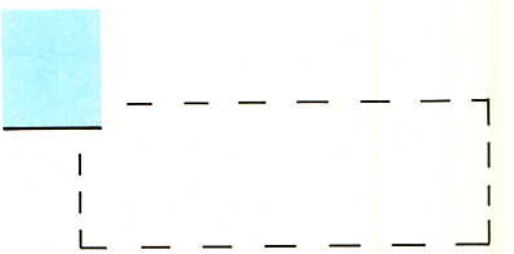

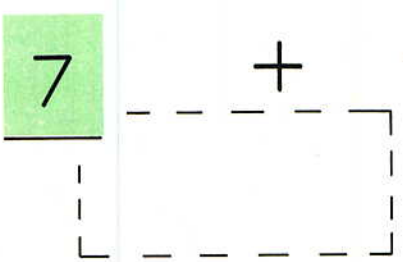
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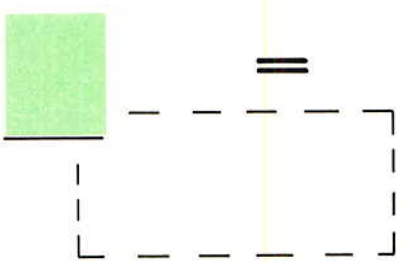
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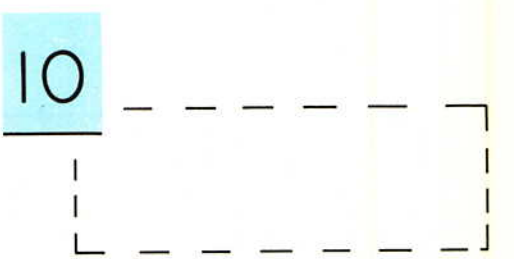
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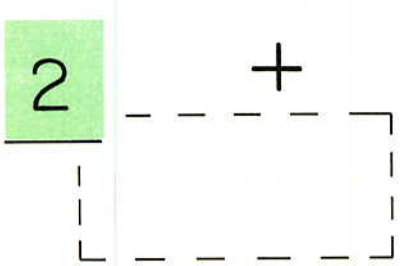
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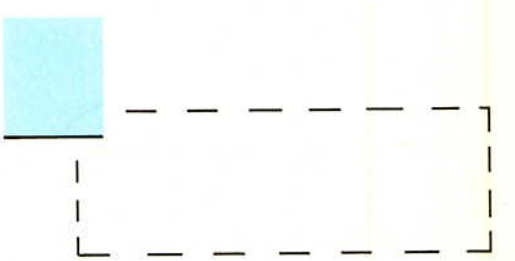

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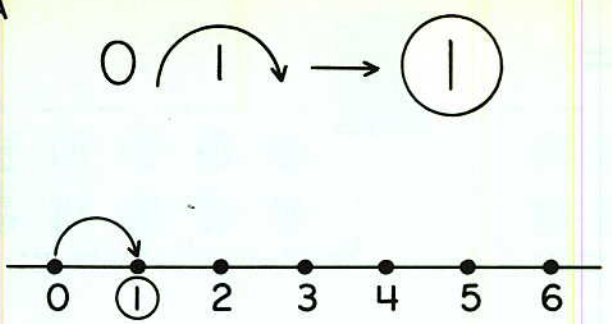
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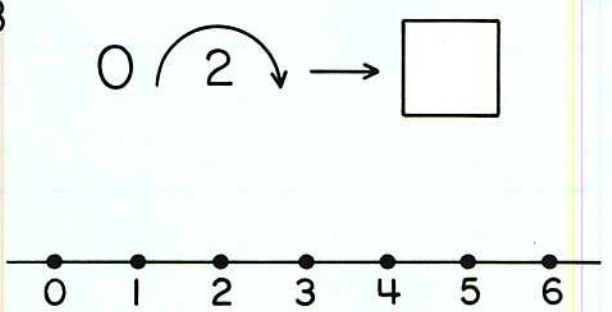
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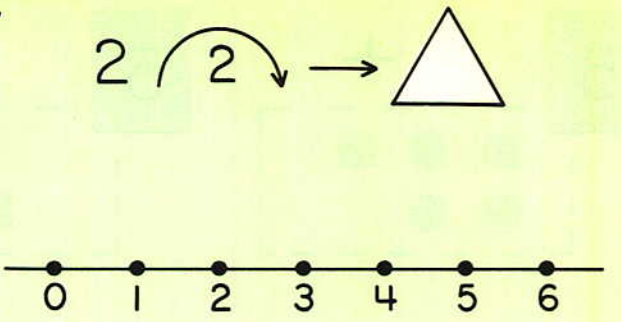
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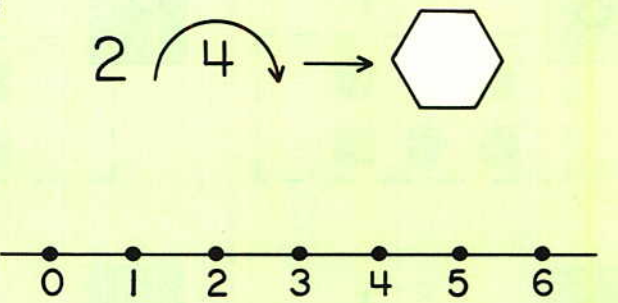
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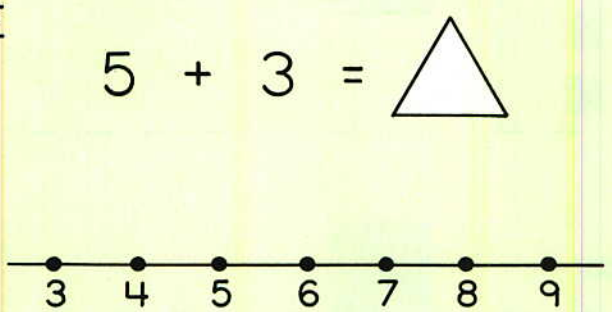
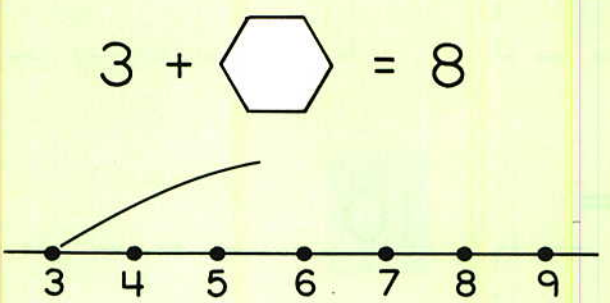
0 1 2 3 4 5 6

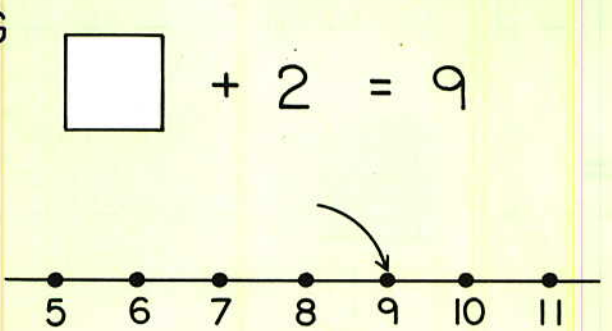
E


5 + 3 =
3 4 5 6 7 8 9

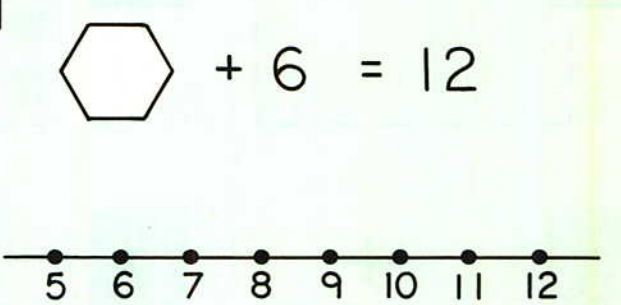
F


3 +
= 8
3 4 5 6 7 8 9

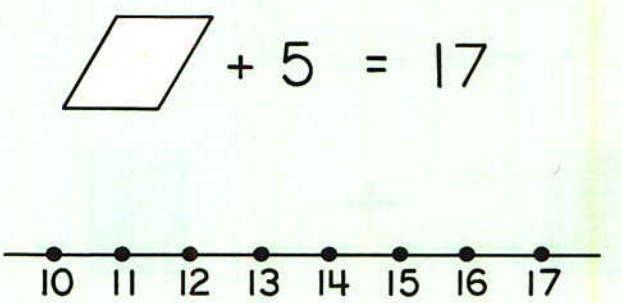
G


+ 2 = 9
5 6 7 8 9 10 11

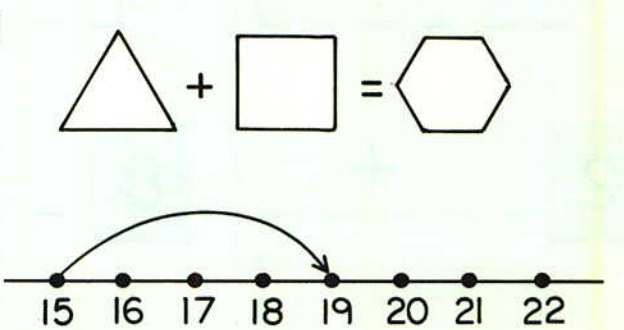
H

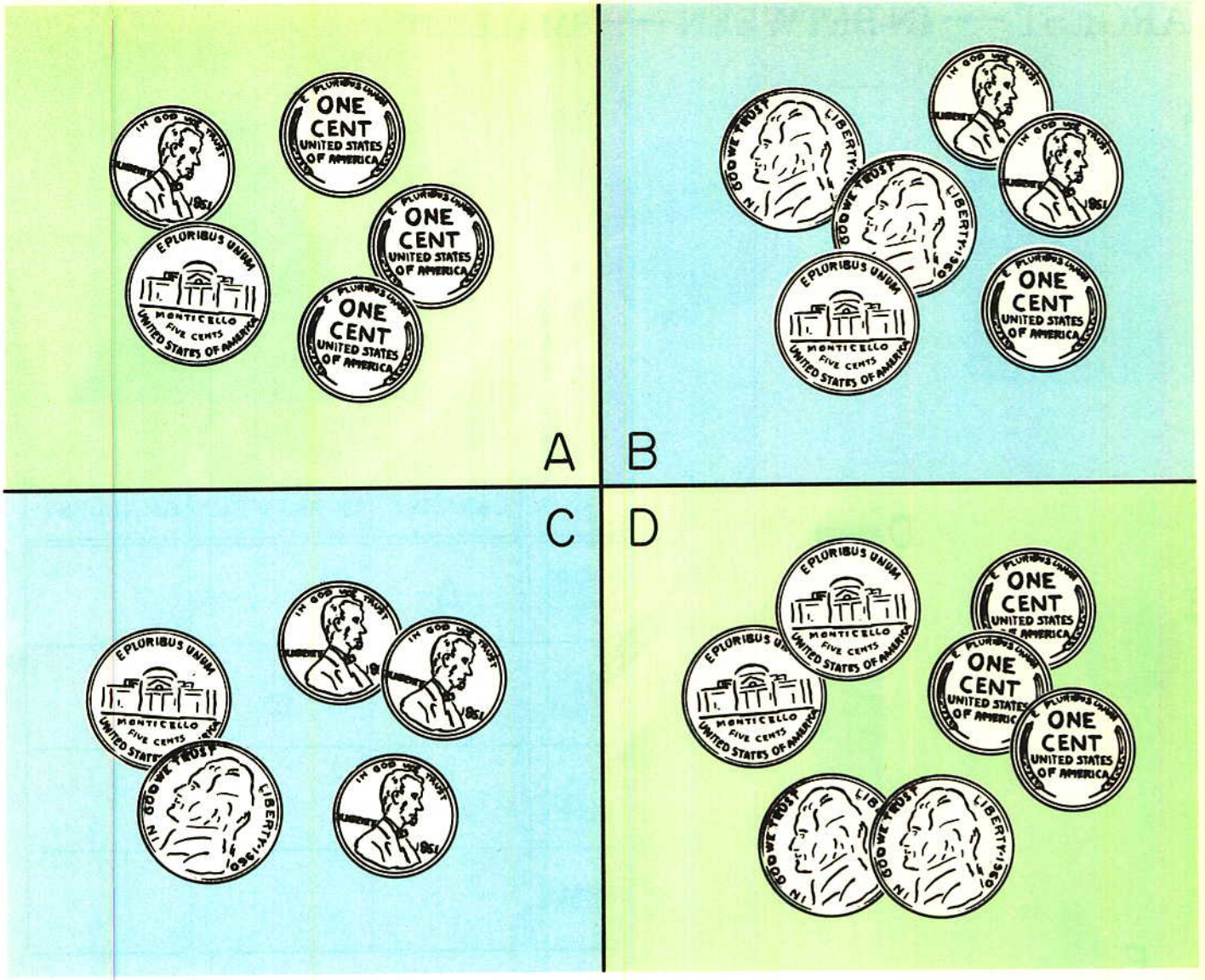

+ 6 = 12
5 6 7 8 9 10 11 12

I


+ 5 = 17
10 11 12 13 14 15 16 17

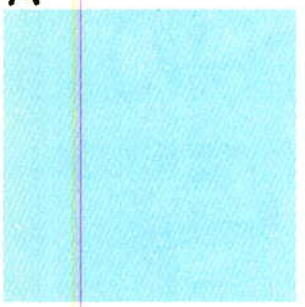
J

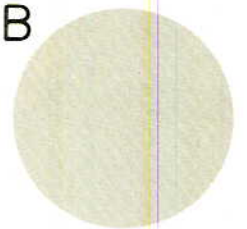

+
=
15 16 17 18 19 20 21 22

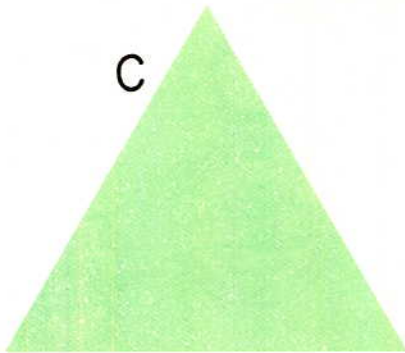


	COINS			¢		
	Pennies	Nickels	Total	Pennies	Nickels	Total
A	4	1		4¢	¢	9¢
B						
C						
D						

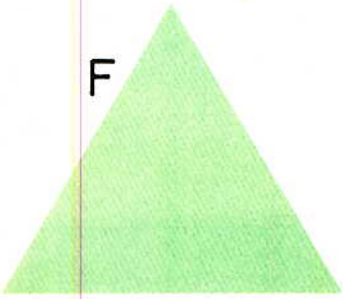
LARGEST — IN-BETWEEN — SMALLEST

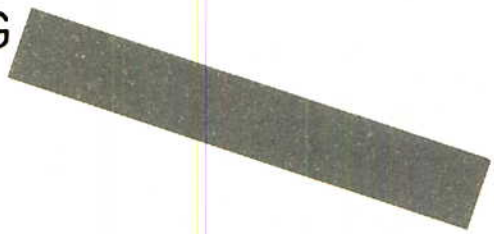


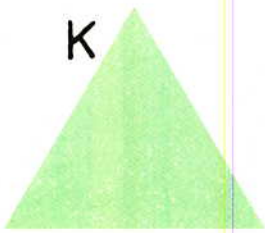


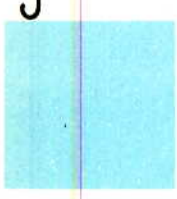


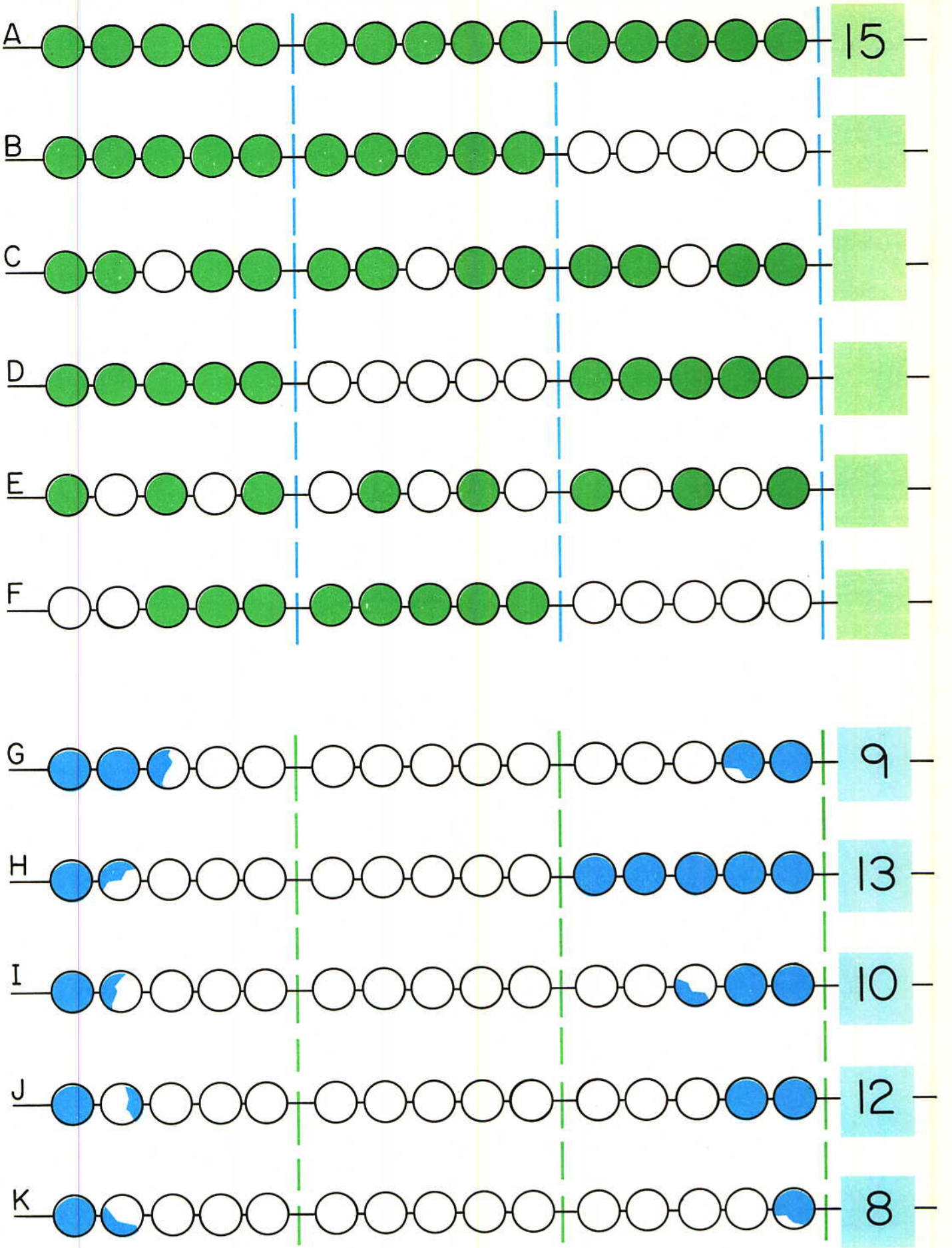
	LARGEST	IN-BETWEEN	SMALLEST
	A		
		B	

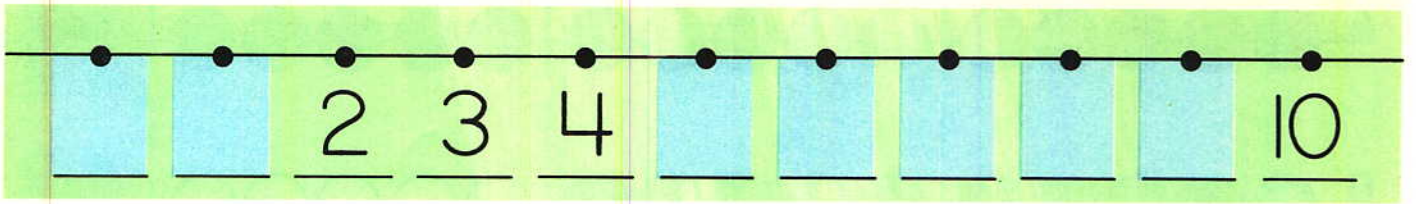


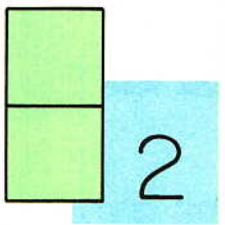







A
15
B
C
D
E
F
G
9
H
13
I
10
J
12
K
8


2 3 4
10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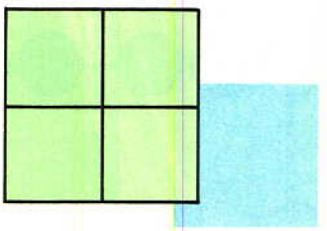
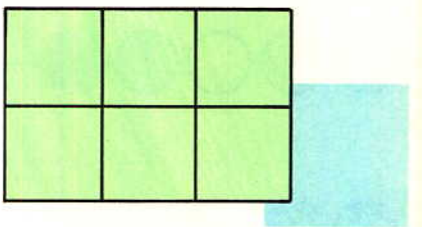
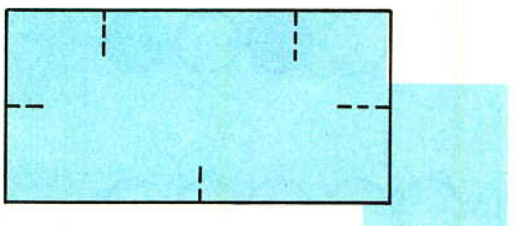
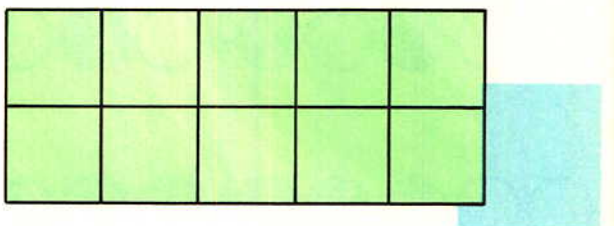
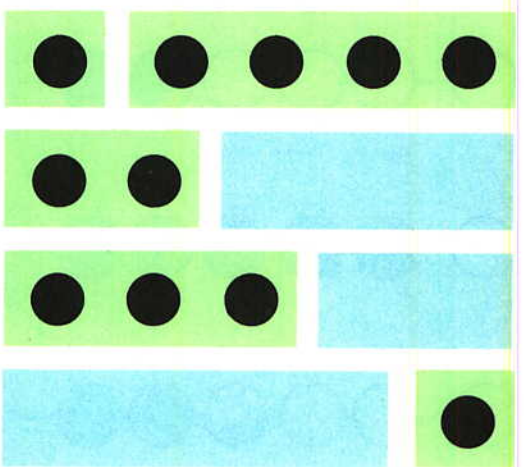
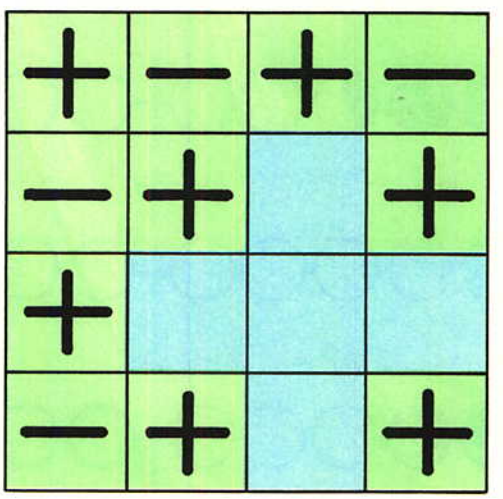


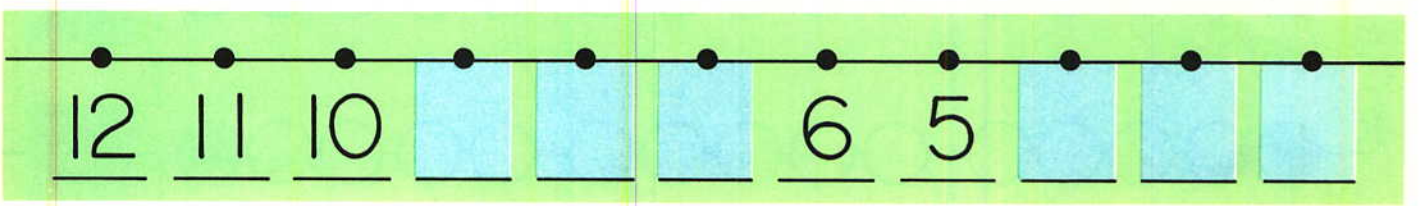


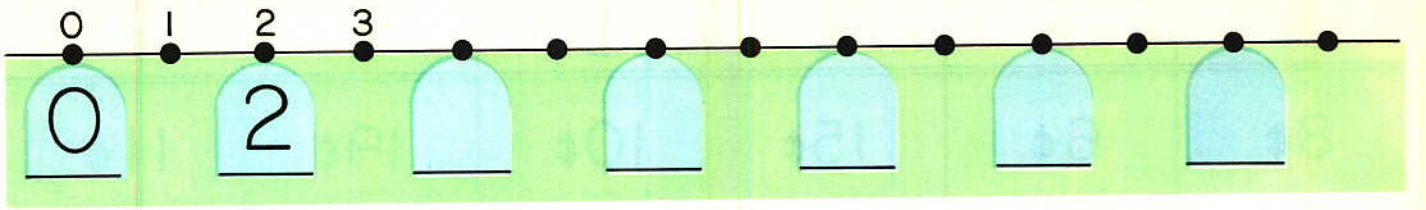









12 11 10
6 5



$$\begin{array}{r} 5 \\ +\,1 \\ \hline 6 \end{array}$$

$2 + 4 = 6$

$$\begin{array}{r} 1 \\ +\,7 \\ \hline \end{array}$$

$4 + __ = __$

$$\begin{array}{r} 3 \\ +\,__ \\ \hline 4 \end{array} \qquad \begin{array}{r} 0 \\ +\,__ \\ \hline 4 \end{array} \qquad \begin{array}{r} \\ +2 \\ \hline 4 \end{array} \qquad \begin{array}{r} \\ +4 \\ \hline 4 \end{array} \qquad \begin{array}{r} \\ +1 \\ \hline 4 \end{array}$$

$5 + 2 = __$

$$\begin{array}{r} 6 \\ +\,__ \\ \hline \end{array}$$

$3 + 3 = __$

$5 + __ = 5$

$2 + __ = 5$

$4 + __ = 5$

$3 + __ = 5$

$1 + __ = 5$

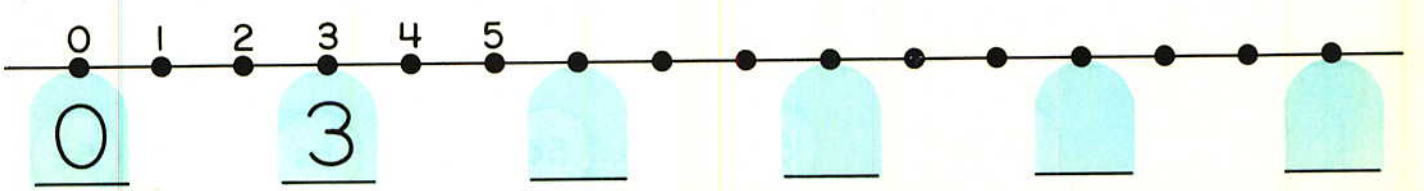
$$\begin{array}{r} 5 \\ +\,__ \\ \hline 10 \end{array}$$

$9 + __ = 10$

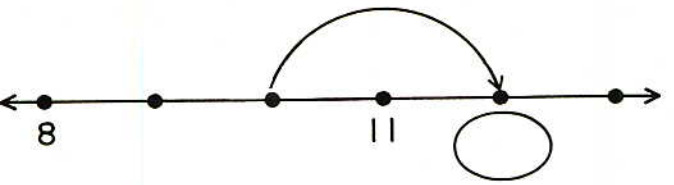
$6 + 1 = __$

$$\begin{array}{r} \\ +3 \\ \hline 7 \end{array}$$

$__ + 5 = 7$



A	B	C	D	E	F
8¢	6¢	15¢	10¢	19¢	11¢
3 1¢ 1 5¢	___ 1¢ ___ 5¢	___ 1¢ ___ 5¢	___ 1¢ ___ 5¢	___ 1¢ ___ 5¢	___ 1¢ ___ 5¢

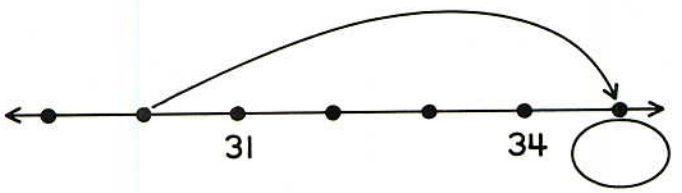


10 + 2 = ☐

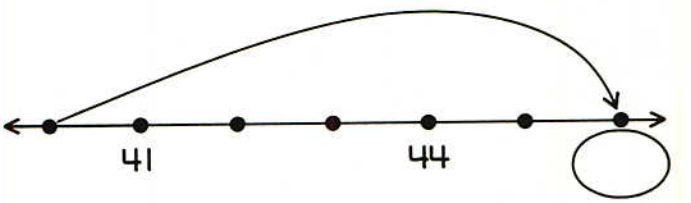
10 + 6 = ☐

☐ + 4 = 14

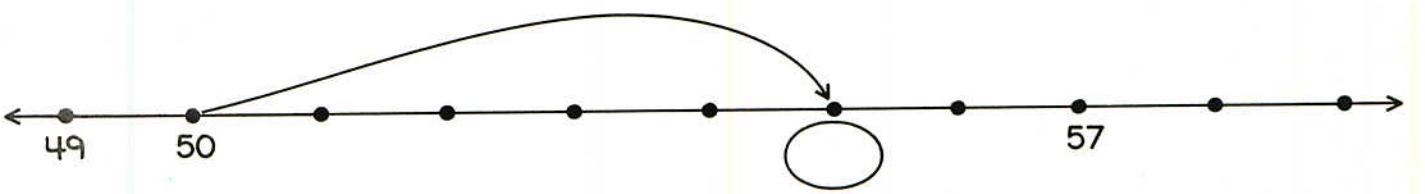
20 + 5 = ☐



☐ + ☐ = ☐



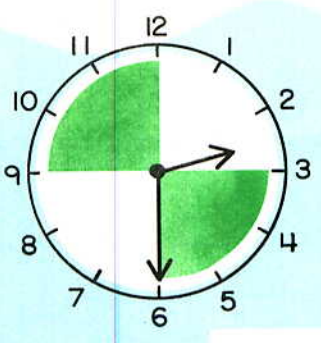
☐ + ☐ = ☐



50 + 5 = ☐

☐ + 6 = 56

50 + ☐ = 58



The time is ☐ : ☐

20 + ☐ = 26

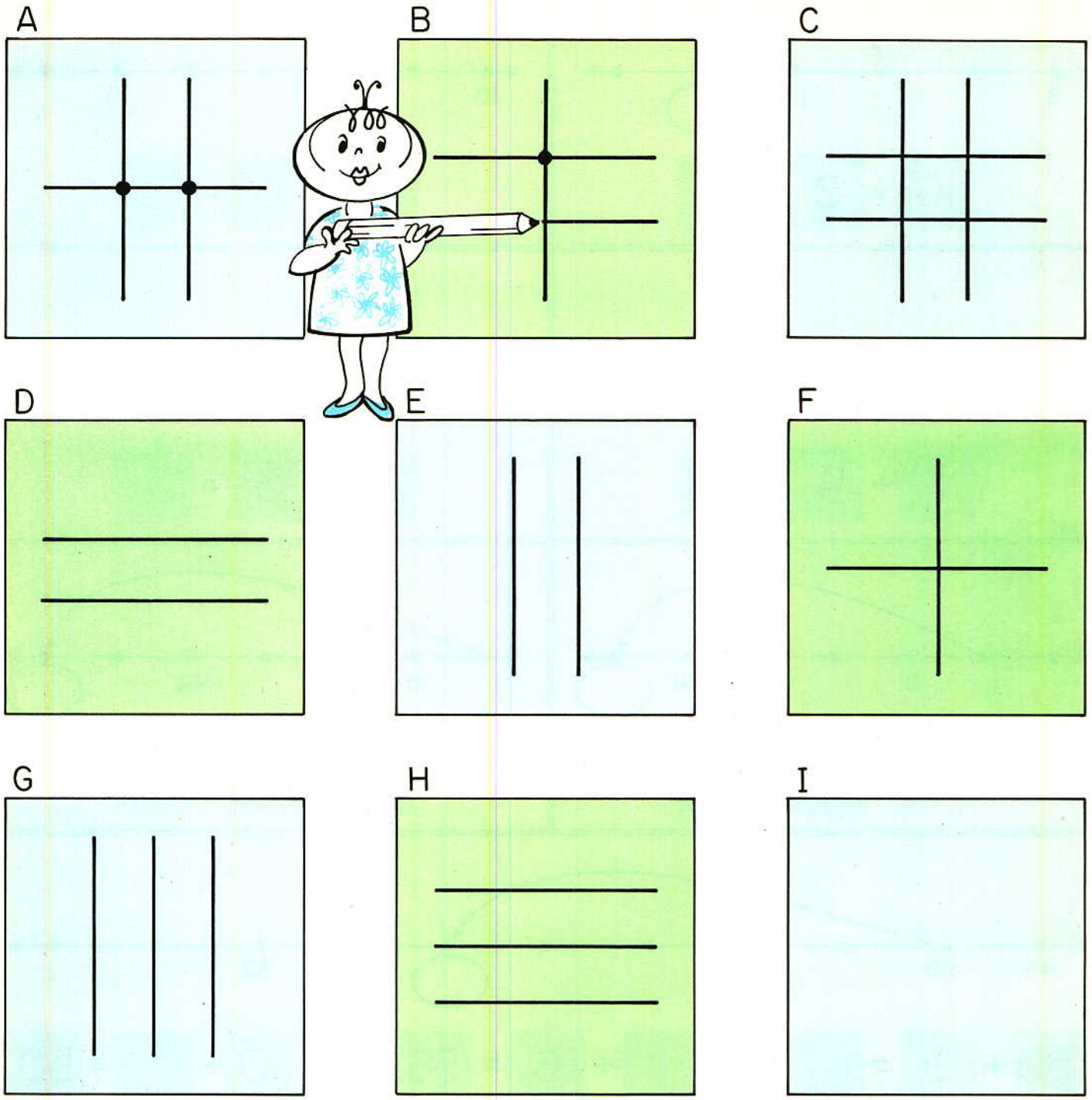
☐ + 20 = 26

4 + ☐ = 34

40 + ☐ = 47

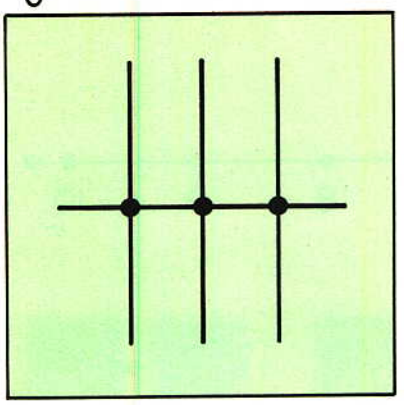
57 = 7 + ☐

57 = 50 + ☐

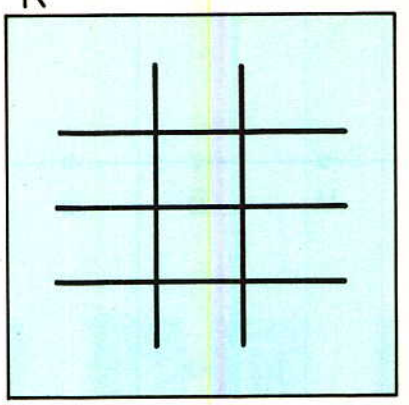


	A	B	C	D	E	F	G	H	I
— Lines	1						1		3
| Lines	2			0				2	3
+	2				0				

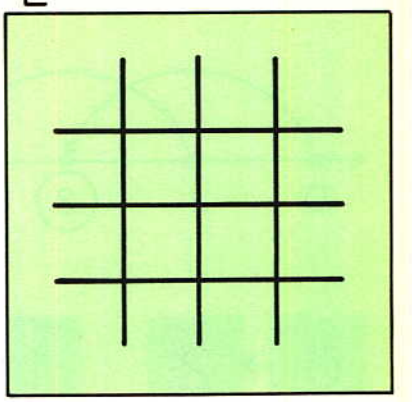
J



K



L



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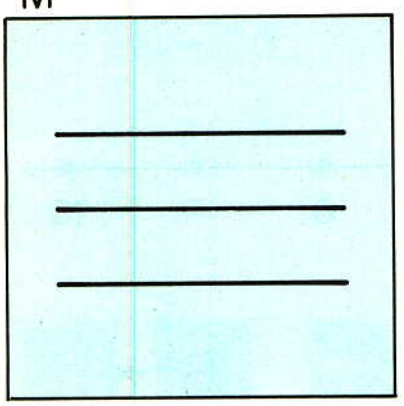
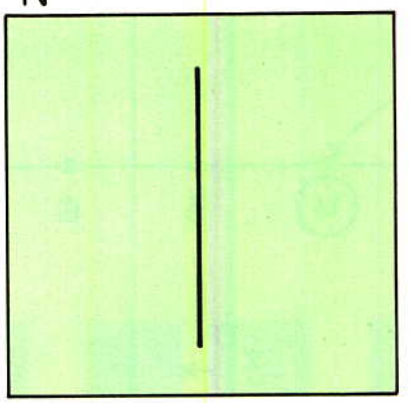
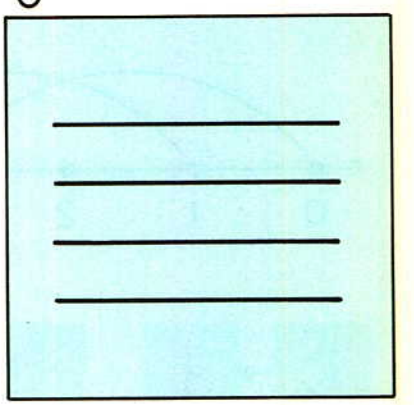


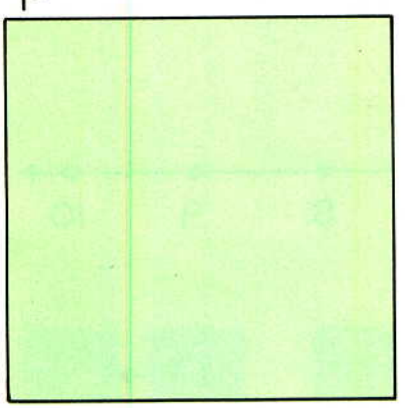
N



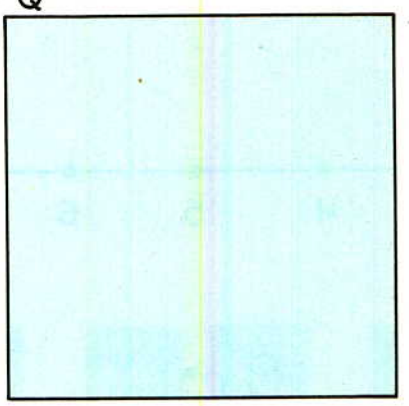
O



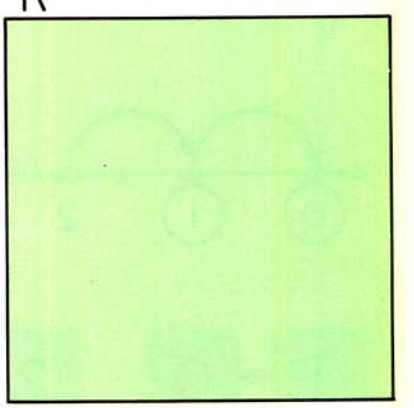
P



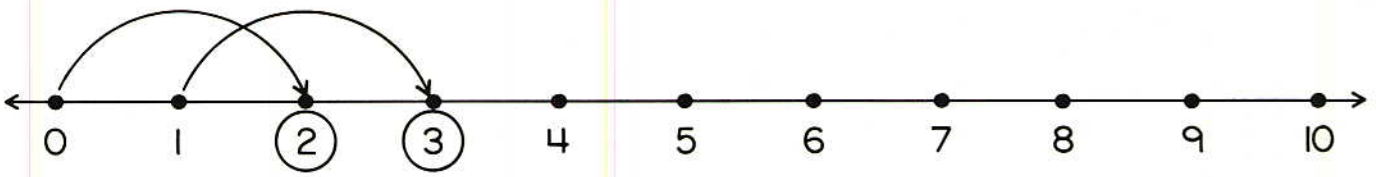
Q



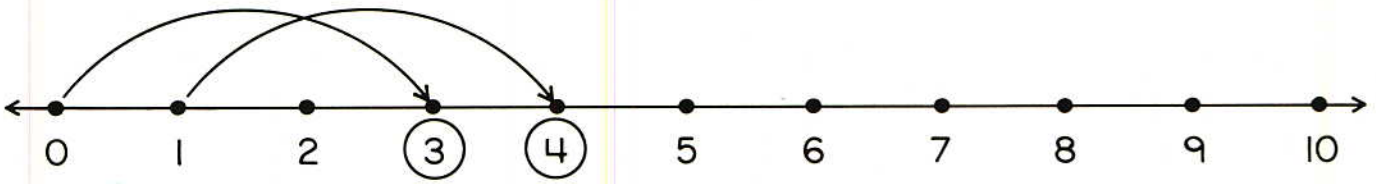
R



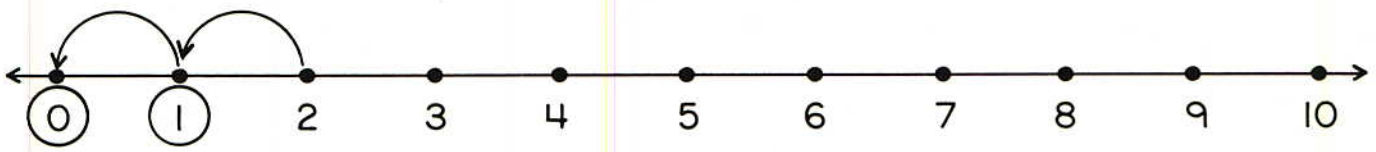
	J	K	L	M	N	O	P	Q	R
— Lines	1				4		2		4
| Lines	3			1				2	4
+	3					0	6	8	



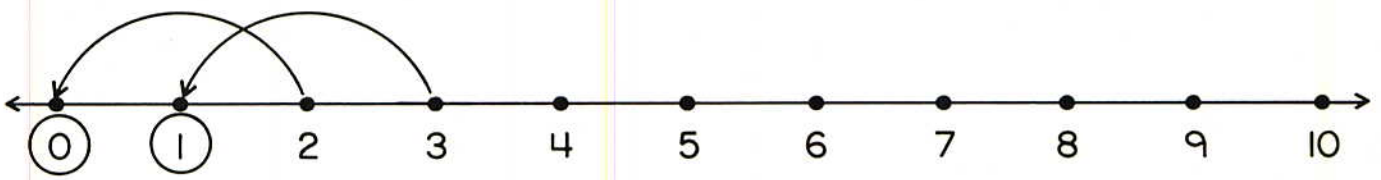
0 → 2　　1 → 3　　4 → ☐　　6 → ☐　　7 → ☐



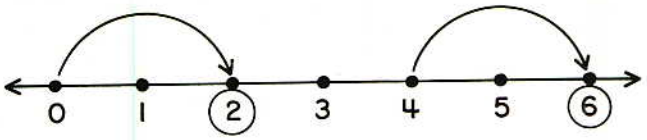
0 → 3　　1 → 4　　7 → ☐　　5 → ☐　　6 → ☐

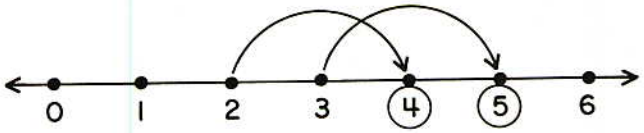


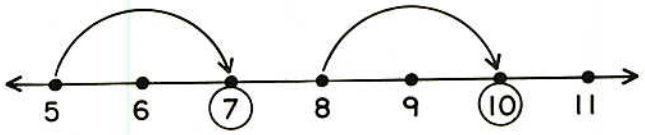
1 → 0　　2 → 1　　8 → ☐　　6 → ☐　　10 → ☐

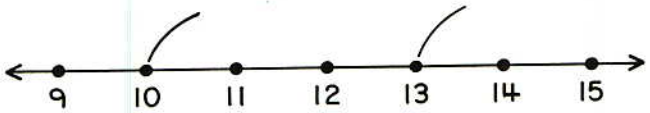


2 → 0　　3 → ☐　　7 → ☐　　8 → ☐　　10 → ☐









0 → 2

3 →

5 →

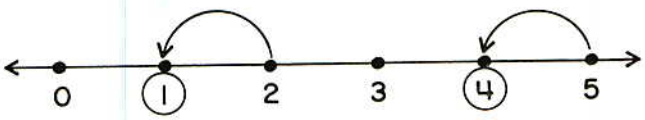
10 →

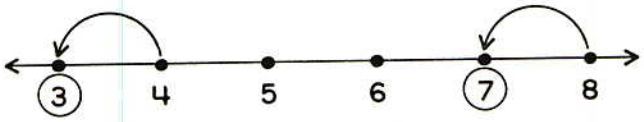
4 →

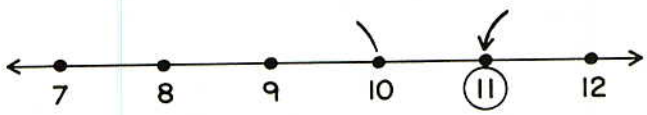
2 →

8 →

13 →







2 → 1

4 →

10 →

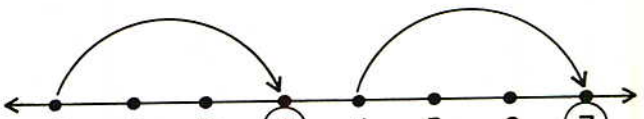
14 →

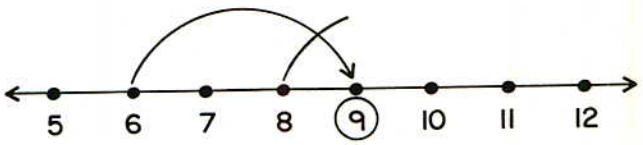
5 →

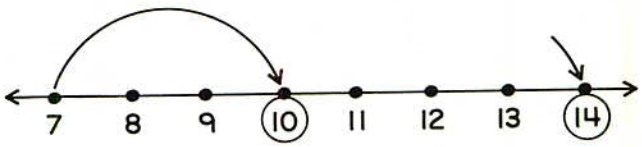
8 →

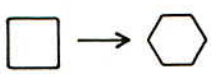
12 →

17 →









0 → 3

6 →

→ 10

→ 18

4 →

8 →

→ 14

→ 20

A

+		
1	2	3
4	3	7
5	5	10

B

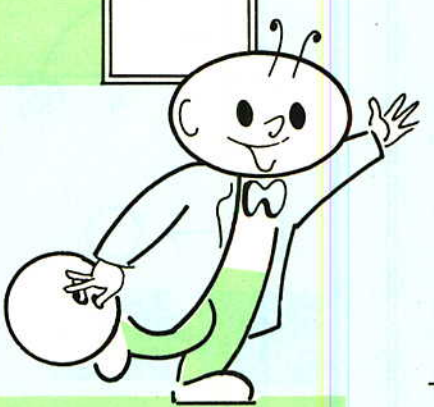
+		
4	2	
3	1	

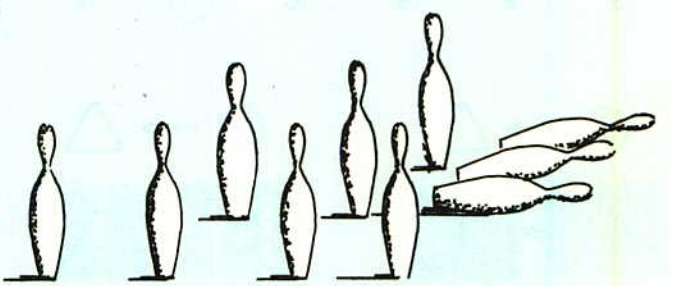
C

+		
2	3	
1	4	

D

+		
4	3	
2	1	



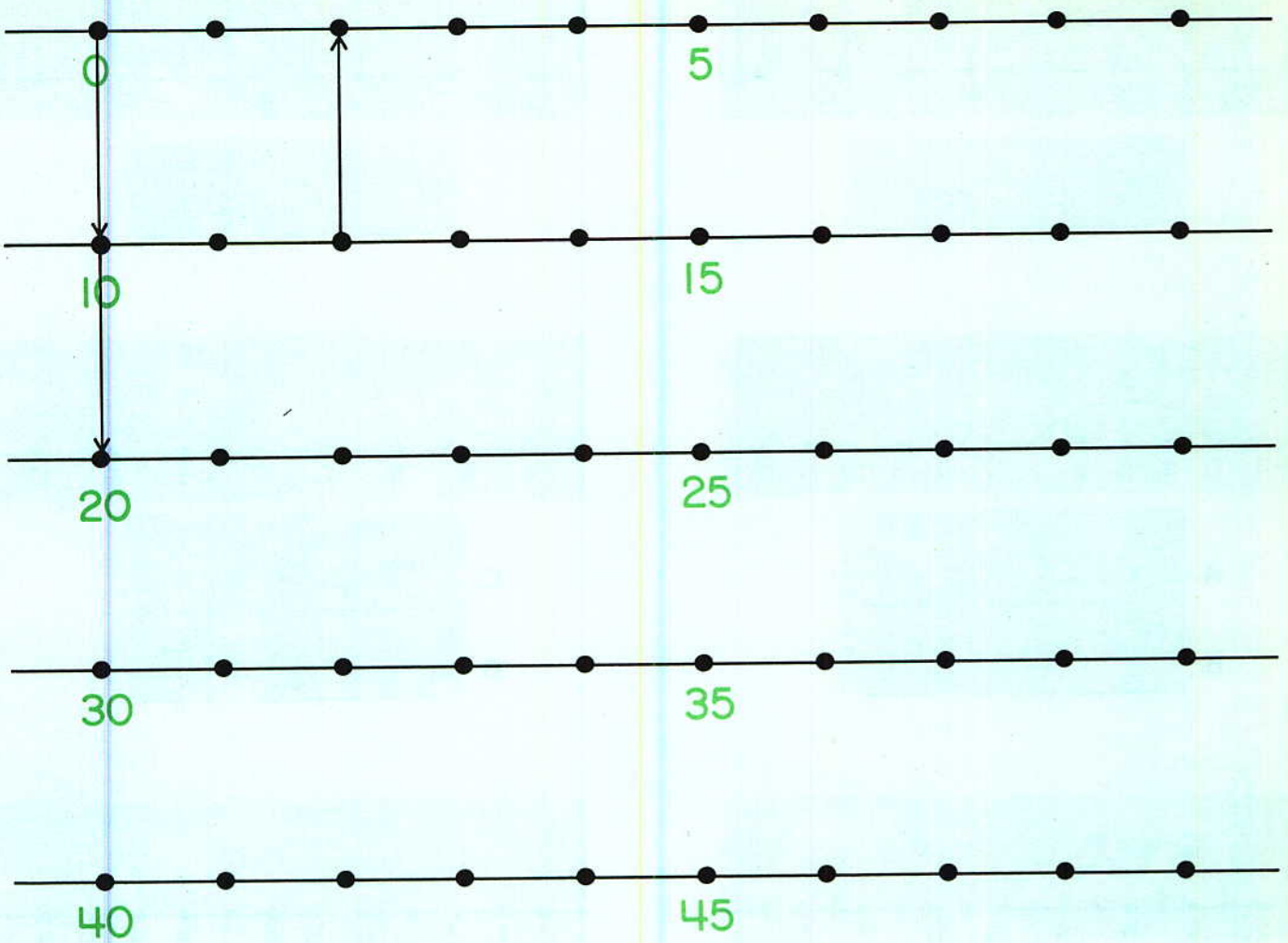


A 5 + 5 = 3 + 7

B ____ + ____ = ____ + ____

C ____ + ____ = ____ + ____

D ____ + ____ = ____ + ____



0 + 10 = 10

10 + 10 =

20 + 10 =

+ 10 = 40

15 + 10 =

+ 10 = 35

14 + 10 =

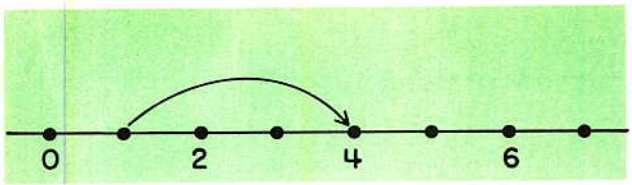
+ 10 = 32

38 + 10 =

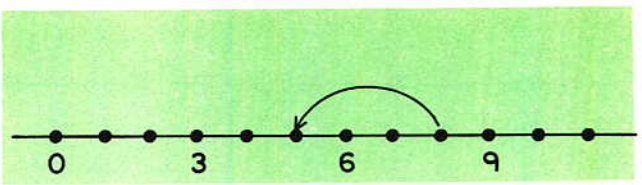
+ 10 = 28

$$\begin{array}{r} 12 \\ -\ 10 \\ \hline 2 \end{array} \qquad \begin{array}{r} 20 \\ -\ 10 \\ \hline \end{array} \qquad \begin{array}{r} \\ -\ 10 \\ \hline 20 \end{array}$$

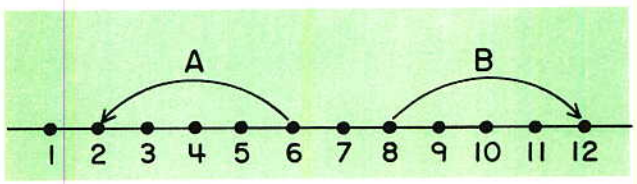
$$\begin{array}{r} 17 \\ -\ 10 \\ \hline \end{array} \qquad \begin{array}{r} \\ -\ 10 \\ \hline 17 \end{array} \qquad \begin{array}{r} \\ -\ 10 \\ \hline 29 \end{array}$$



____ + ____ = ____

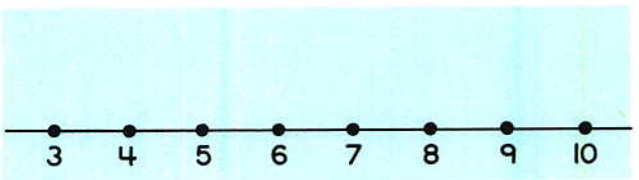


____ − ____ = ____



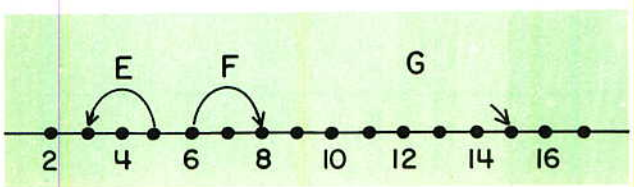
A. ____ − ____ = ____

B. ____ = ____



C. 3 + 3 = ____

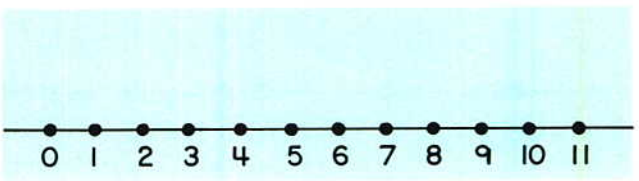
D. ____ − 2 = 7



E. ____ = ____

F. ____ = ____

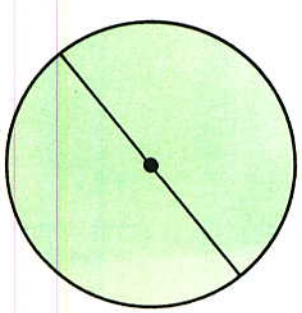
G. 10 + 5 = ____

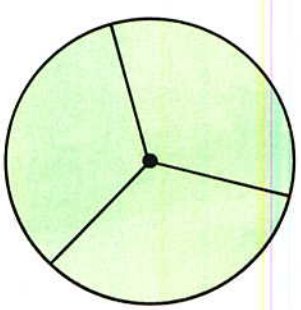


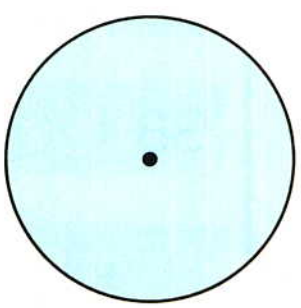
H. 10 − 3 = ____

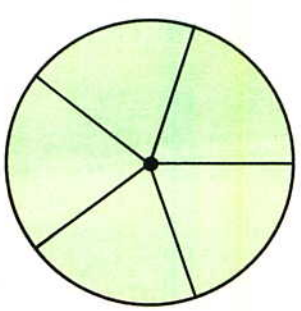
I. 0 + ____ = 1

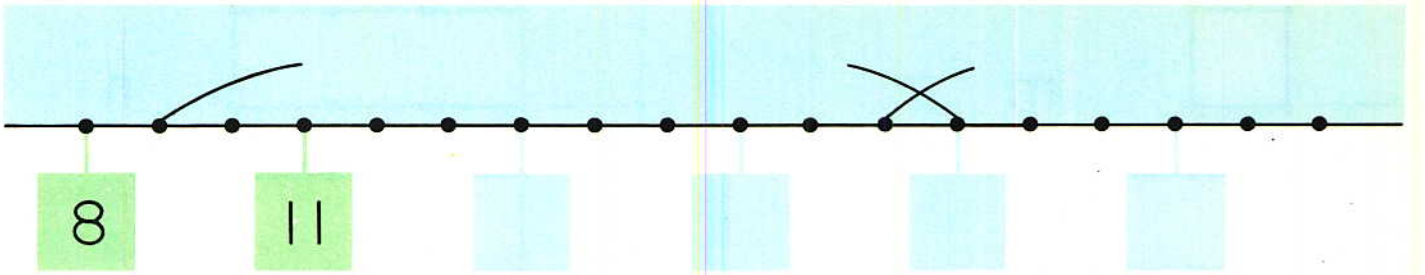
J. ____ − 2 = 4











9 + ___ = 17

20 - ___ = 15

19 + 3 = ___

6	0
3	9

3	5
7	9

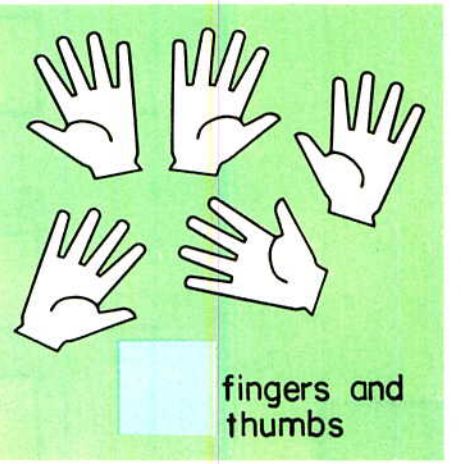
5	10
15	20
25	

20	10	
14	5	

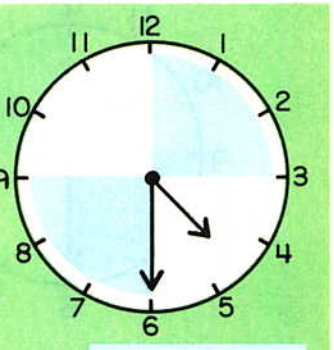
5		12
		16
17		

coins

¢



fingers and thumbs



The time is ___ : ___

m

n

5

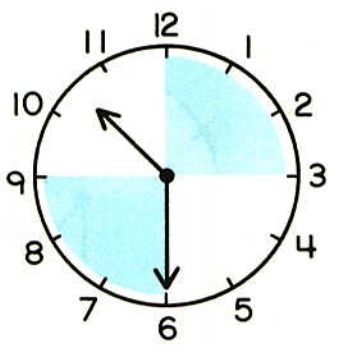
o

p

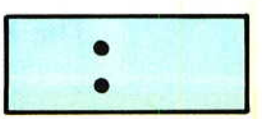
q

r

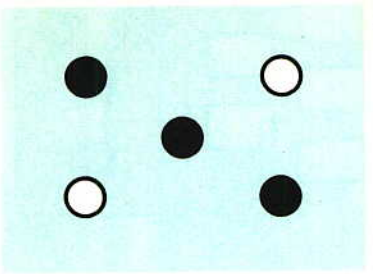
s



The time is



A



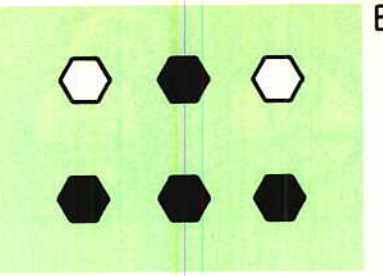
3 + 2 = ___

2 + 3 = ___

5 - 3 = ___

5 - 2 = ___

B



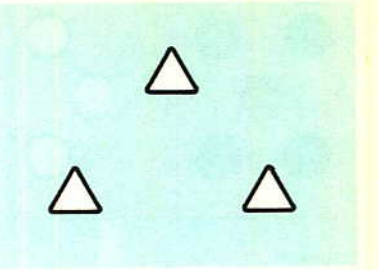
4 + 2 = ___

___ + ___ = ___

___ - ___ = ___

___ - ___ = ___

C



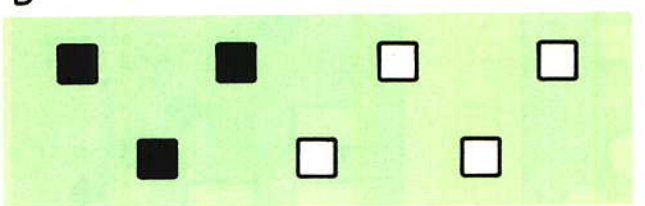
3 + 0 = ___

___ + ___ = ___

___ - ___ = ___

___ - ___ = ___

D



4

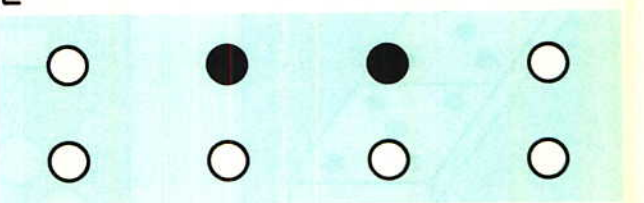
\+ ___ = 7

\+ ___ = ___

\- ___ = ___

\- ___ = ___

E



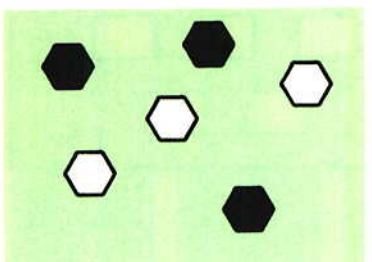
\+ ___ = ___

\+ ___ = ___

\- ___ = ___

\- ___ = ___

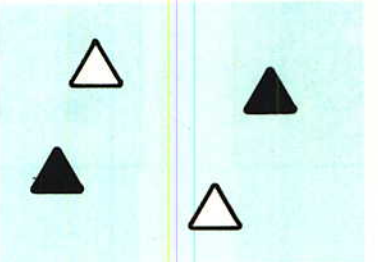
F



3 + ___ = ___

6 - ___ = ___

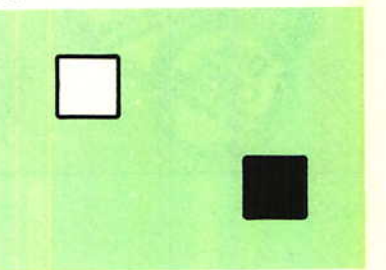
G



___ + ___ = ___

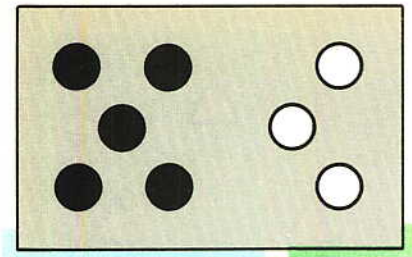
___ - ___ = ___

H



___ + ___ = ___

___ - ___ = ___



5 + 3 = ___

3 + ___ = ___

8 − ___ = 3

___ − ___ = ___

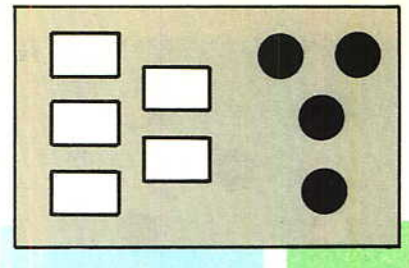
ONE CENT
UNITED STATES OF AMERICA
ONE CENT
UNITED STATES OF AMERICA

___ + ___ = ___

___ + ___ = ___

___ − ___ = ___

___ − ___ = ___

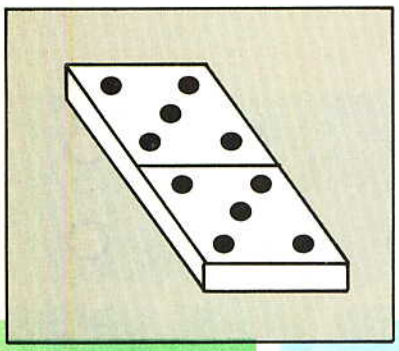


___ + ___ = ___

___ + ___ = ___

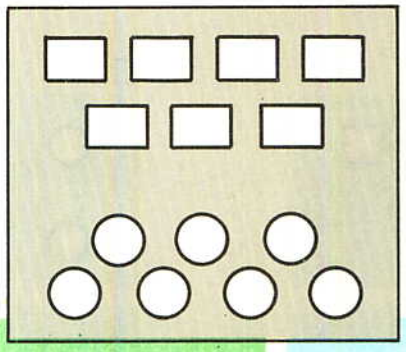
___ − ___ = ___

___ − ___ = ___



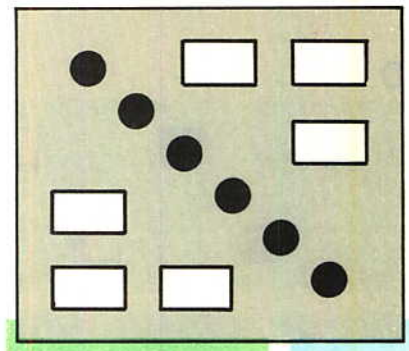
5 + ___ = ___

10 − ___ = ___



___ + ___ = ___

___ − ___ = ___



___ + ___ = ___

___ − ___ = ___

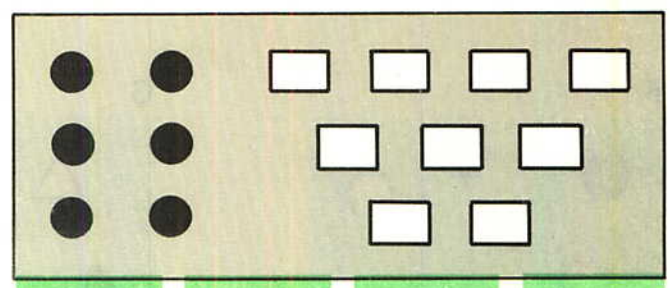
ONE CENT
UNITED STATES OF AMERICA

3 + ___ = 7

___ + ___ = ___

___ − ___ = ___

___ − ___ = ___



___ + ___ = ___

___ + ___ = ___

___ − ___ = ___

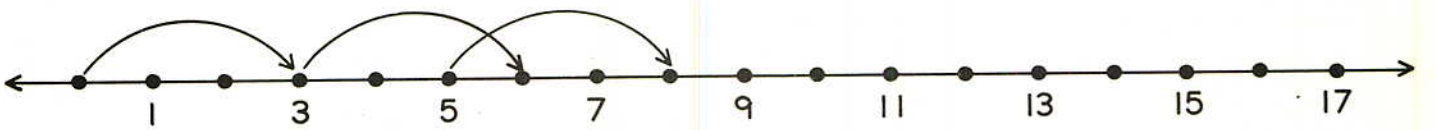
___ − ___ = ___

A.

4 → 1 | 8 → 5 | 13 → 10 | 3 → ☐ | 11 → ☐

15 → ☐ | ☐ → 9 | ☐ → 7 | ☐ → 14 | ☐ → 4

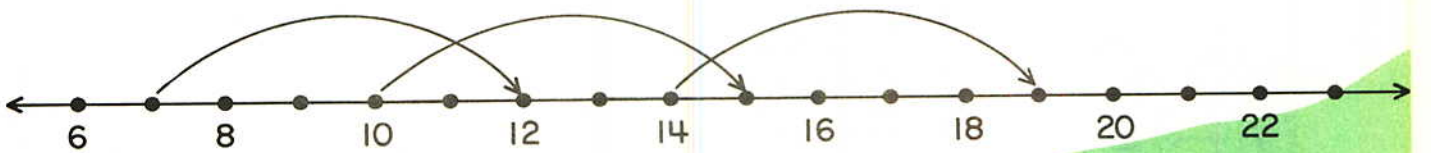
B.



3 → 6 | 0 → 3 | 5 → ☐ | 8 → ☐ | ☐ → 7

☐ → 13 | ☐ → 16 | 9 → ☐ | ☐ → 17 | 7 → ☐

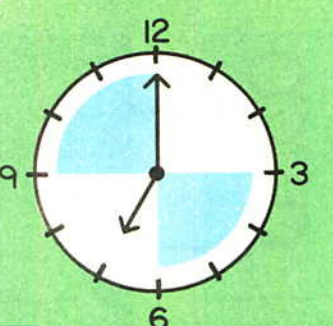
C.

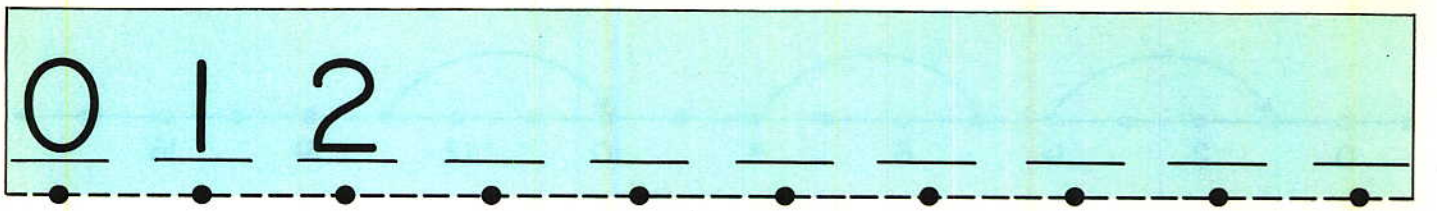


10 → 15 | ☐ → 12 | 14 → ☐

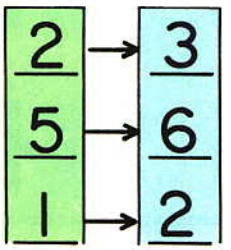
17 → ☐ | ☐ → 20 | ☐ → 14

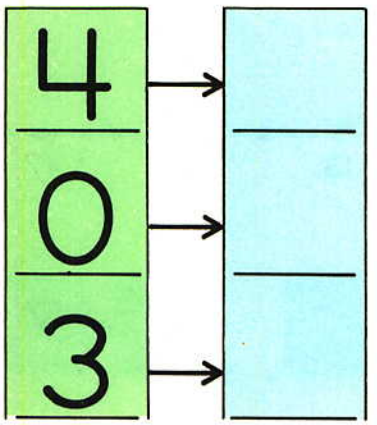
☐ → 11 | 13 → ☐ | ☐ → 21



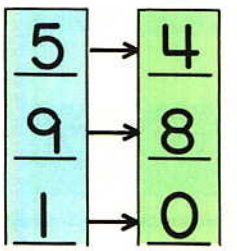

0 1 2

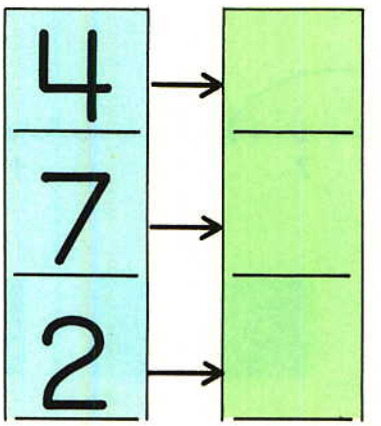
A


2 → 3
5 → 6
1 → 2

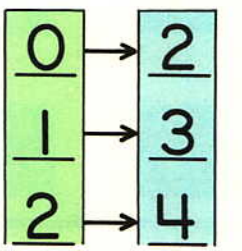

4 →
0 →
3 →

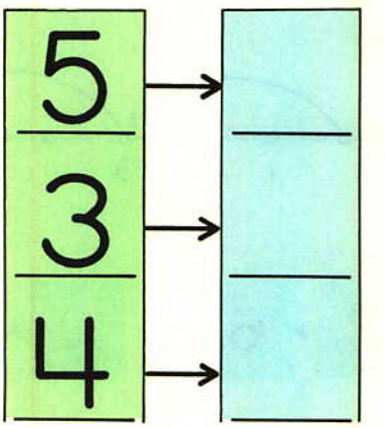
B


5 → 4
9 → 8
1 → 0

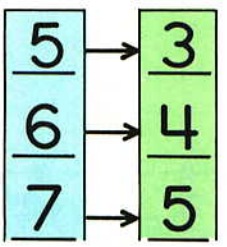

4 →
7 →
2 →

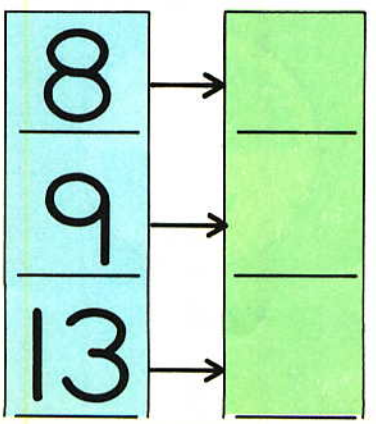
C


0 → 2
1 → 3
2 → 4

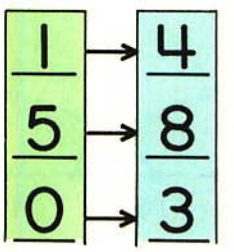

5 →
3 →
4 →

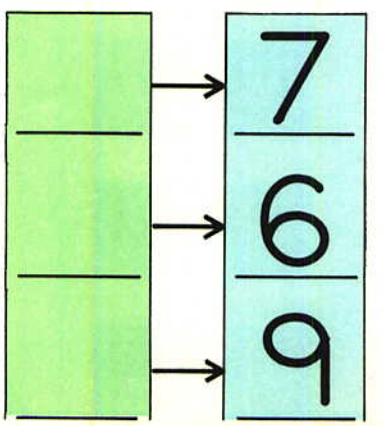
D


5 → 3
6 → 4
7 → 5

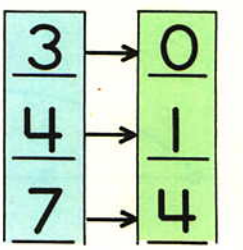

8 →
9 →
13 →

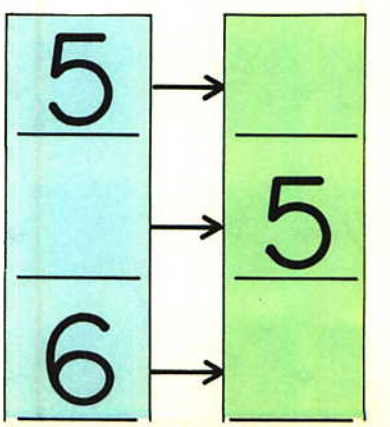
E

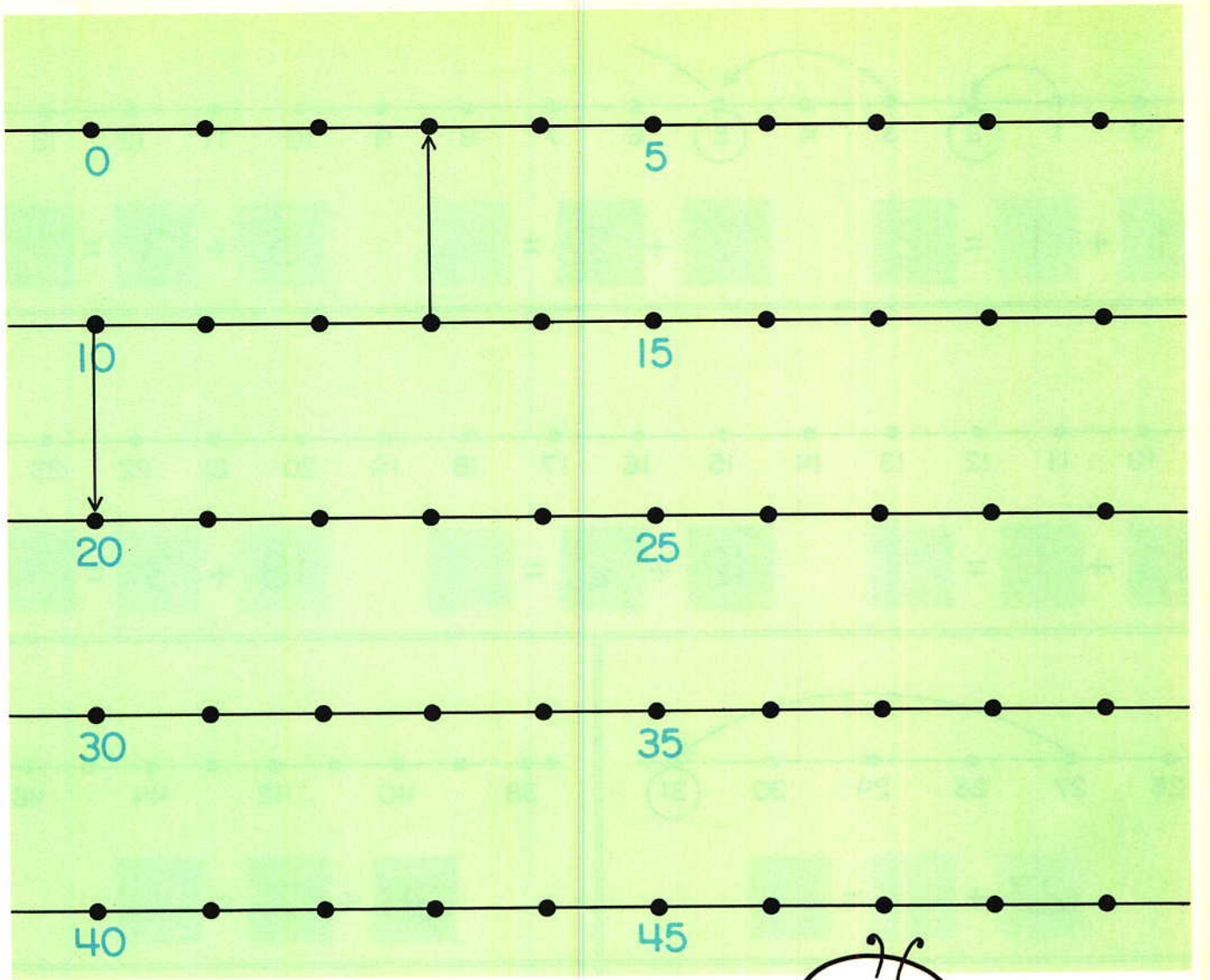

1 → 4
5 → 8
0 → 3


→ 7
→ 6
→ 9

F


3 → 0
4 → 1
7 → 4


5 →
→ 5
6 →



$10 + 10 = 20$

$20 + 10 =$

$35 + 10 =$

$\quad + 10 = 35$

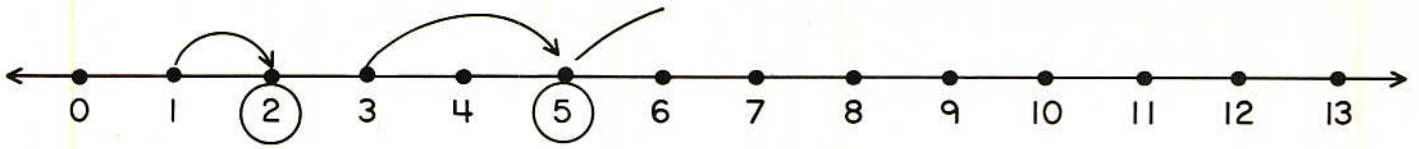
$32 + 10 =$

$$\begin{array}{r} 13 \\ -\ 10 \\ \hline 3 \end{array} \qquad \begin{array}{r} 23 \\ -\ 10 \\ \hline \end{array}$$

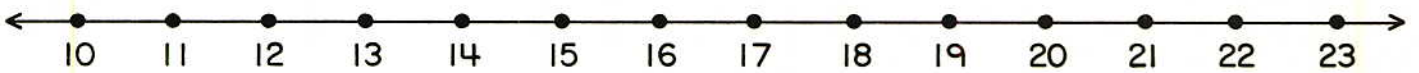
$$\begin{array}{r} \\ -\ 10 \\ \hline 25 \end{array} \qquad \begin{array}{r} \\ -\ 10 \\ \hline 38 \end{array}$$

____ coins

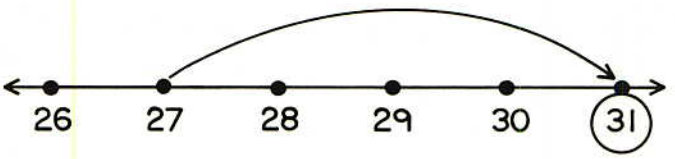
____ ¢



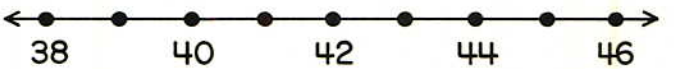
1 + 1 = 2 3 + 2 = 5 + 3 =



10 + 1 = 12 + 2 = 18 + 3 =



27 + =



38 + 7 =

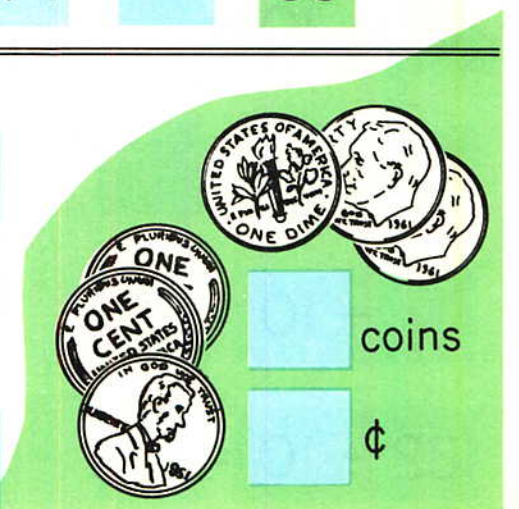
17 + 4 =

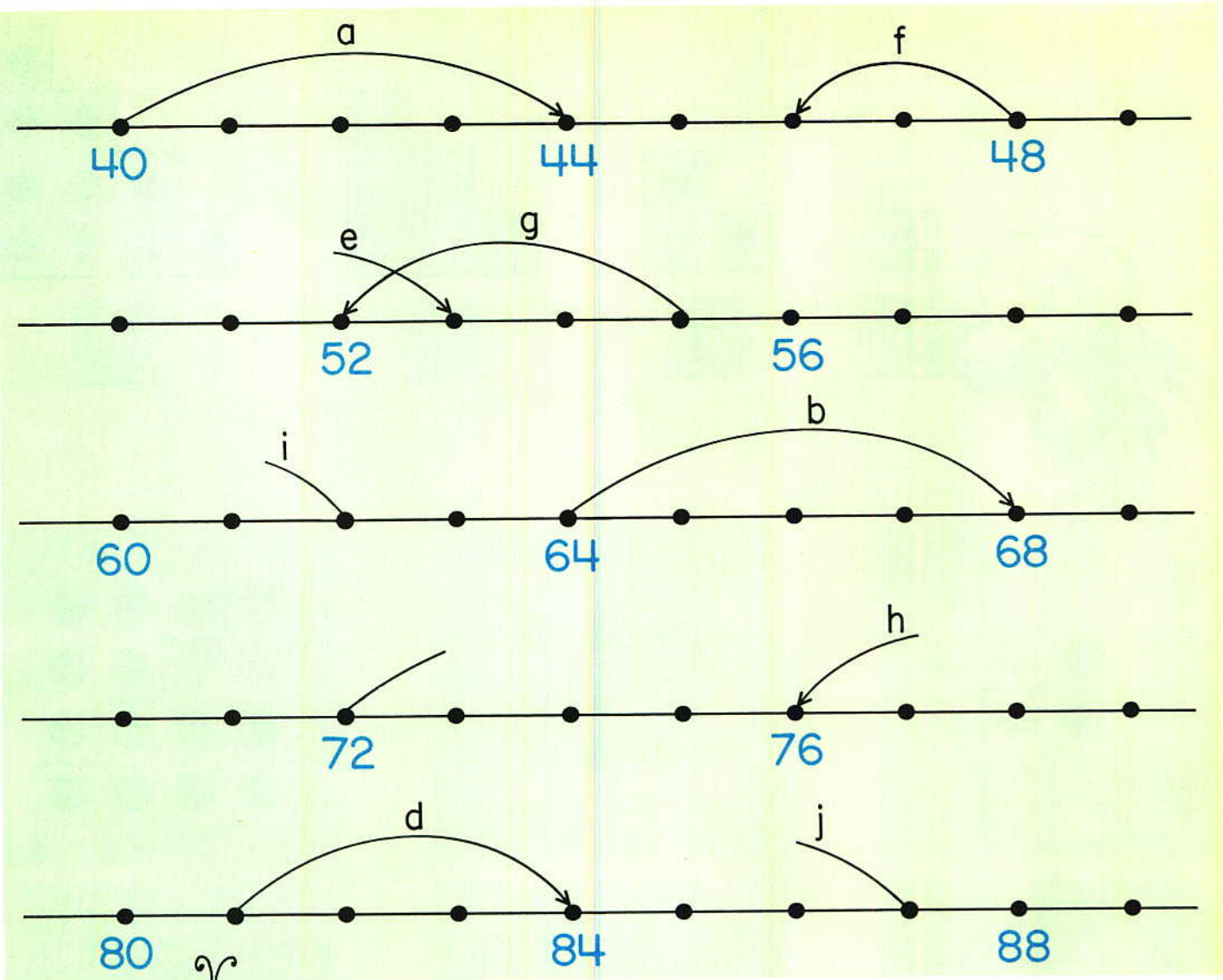
49 + = 53

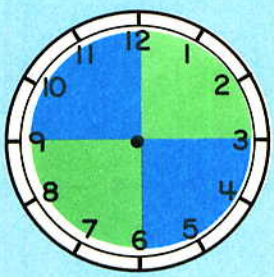
1 + = 2 1 + = 11

1 + = 4 + 6 = 13

+ 5 = 8 13 + = 18







The time is –

8:30

a $40 + 4 = 44$

b $\quad + \quad =$

c $72 + 4 =$

d $\quad + \quad =$

e $\quad + 3 =$

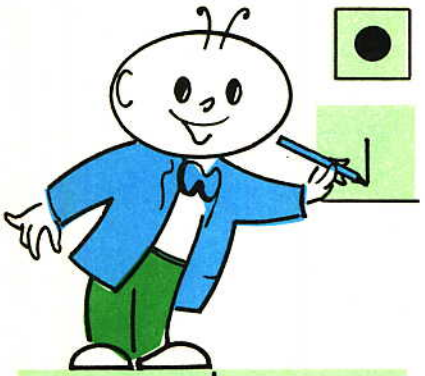
f $48 - 2 =$

g $\quad - \quad =$

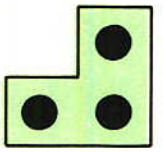
h $79 - \quad =$

i $\quad - 2 =$

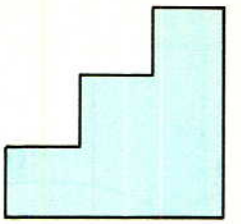
j $\quad - \quad = 83$

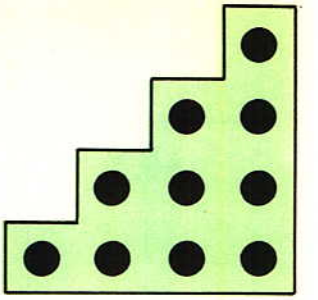


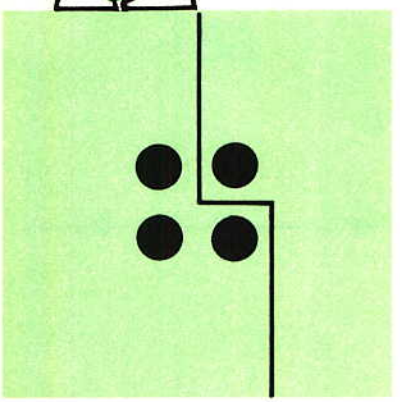
1

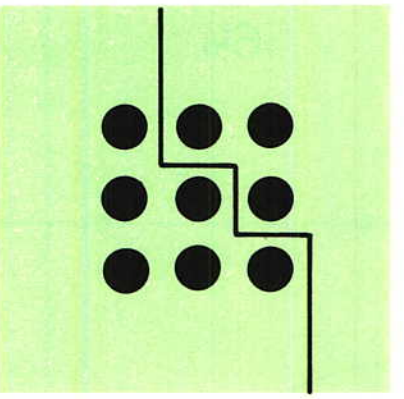


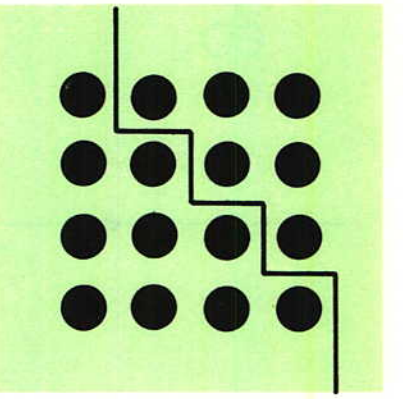
3











3 + 1 = ___

1 + 3 = ___

4 - 1 = ___

4 - 3 = ___

___ + ___ = ___

___ + ___ = ___

___ + ___ = ___

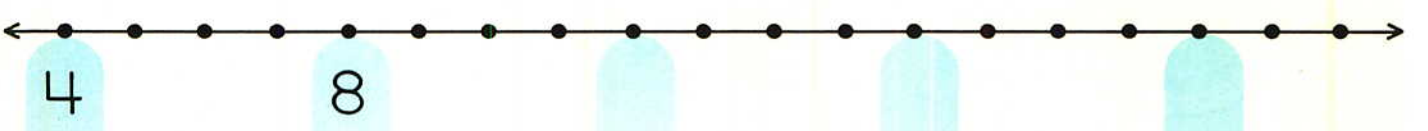
___ + ___ = ___

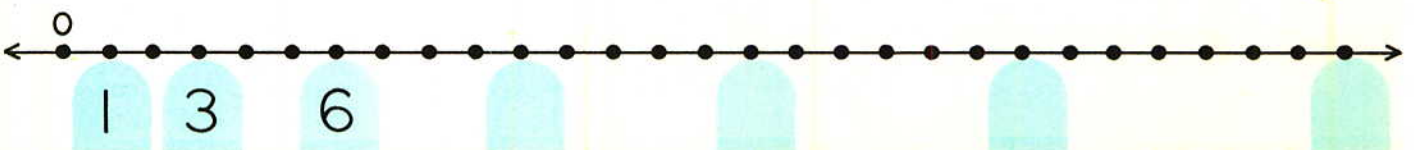
___ - ___ = ___

___ - ___ = ___

___ - ___ = ___

___ - ___ = ___

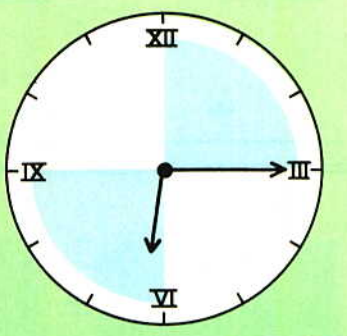




7 + 3 = 10	9 - 4 = 5	8 = 16 - 8
2 = 6 4	15 - 15	25 - 10
19 = 20	17 - 8	18 = 21
10 16 6	- 0 0	+ = 0

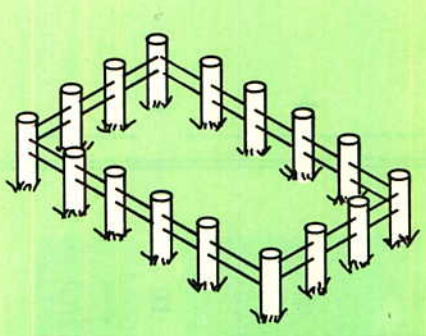
2		1	4	8		9		1	
3	3		6	1	5	3	8		
5	4	1			5		7	2	
10	10	10	10	15	15	15	15	15	

2		5	3	5	3		3	6	
	1	7		5	2	9		7	
6	2		1			9	6		
12	12	12	12	20	20	20	20	20	

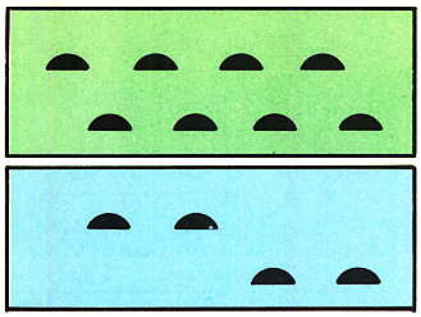


The time is :

¢



posts

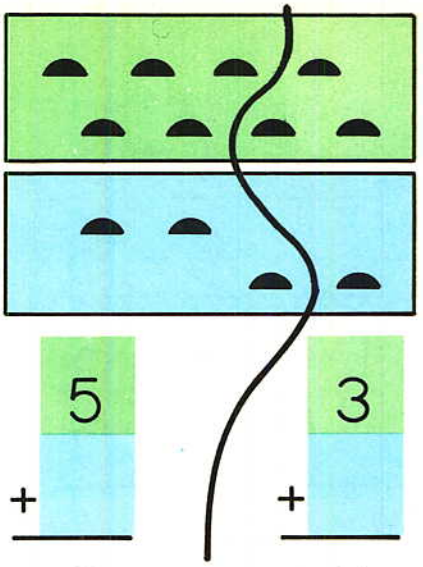


8

\+ ____

12

8 + ____ = ____



5

\+ ____

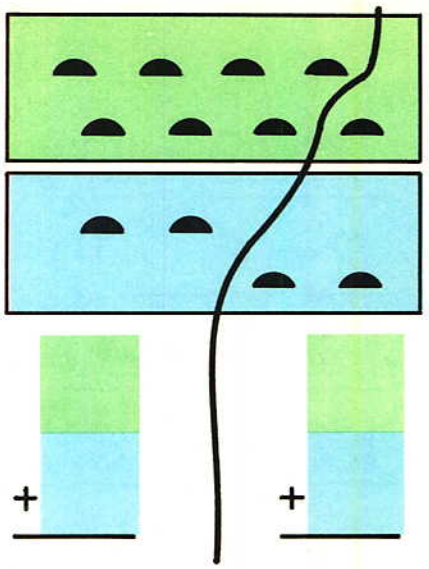
3

\+ ____

8

4

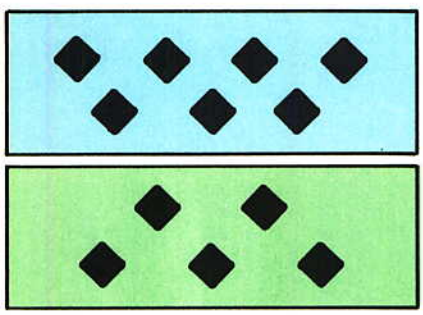
8 + 4 = ____



\+ ____

\+ ____

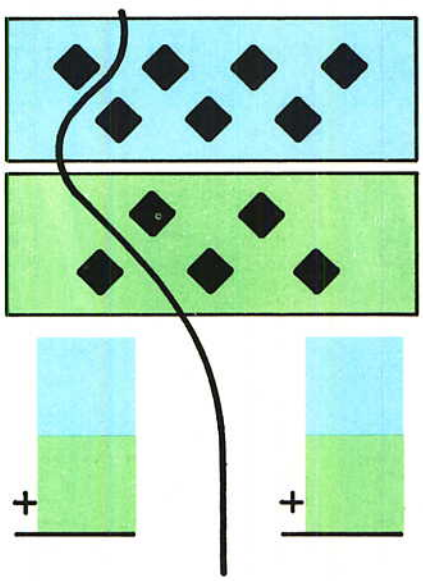
\+ ____ = ____



\+ ____

____

\+ ____ = ____

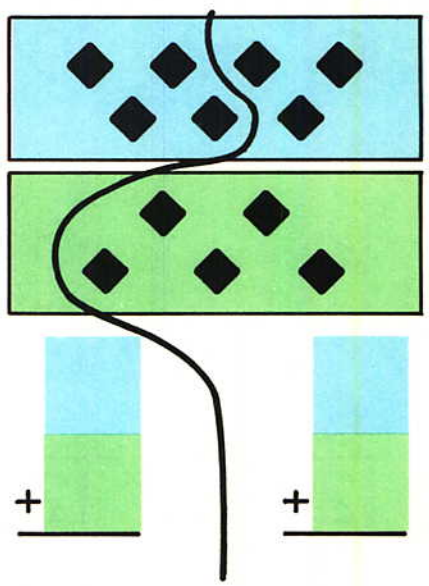


\+ ____

\+ ____

____ ____

\+ ____ = ____



\+ ____

\+ ____

____ ____

\+ ____ = ____

\+ ____ = 12

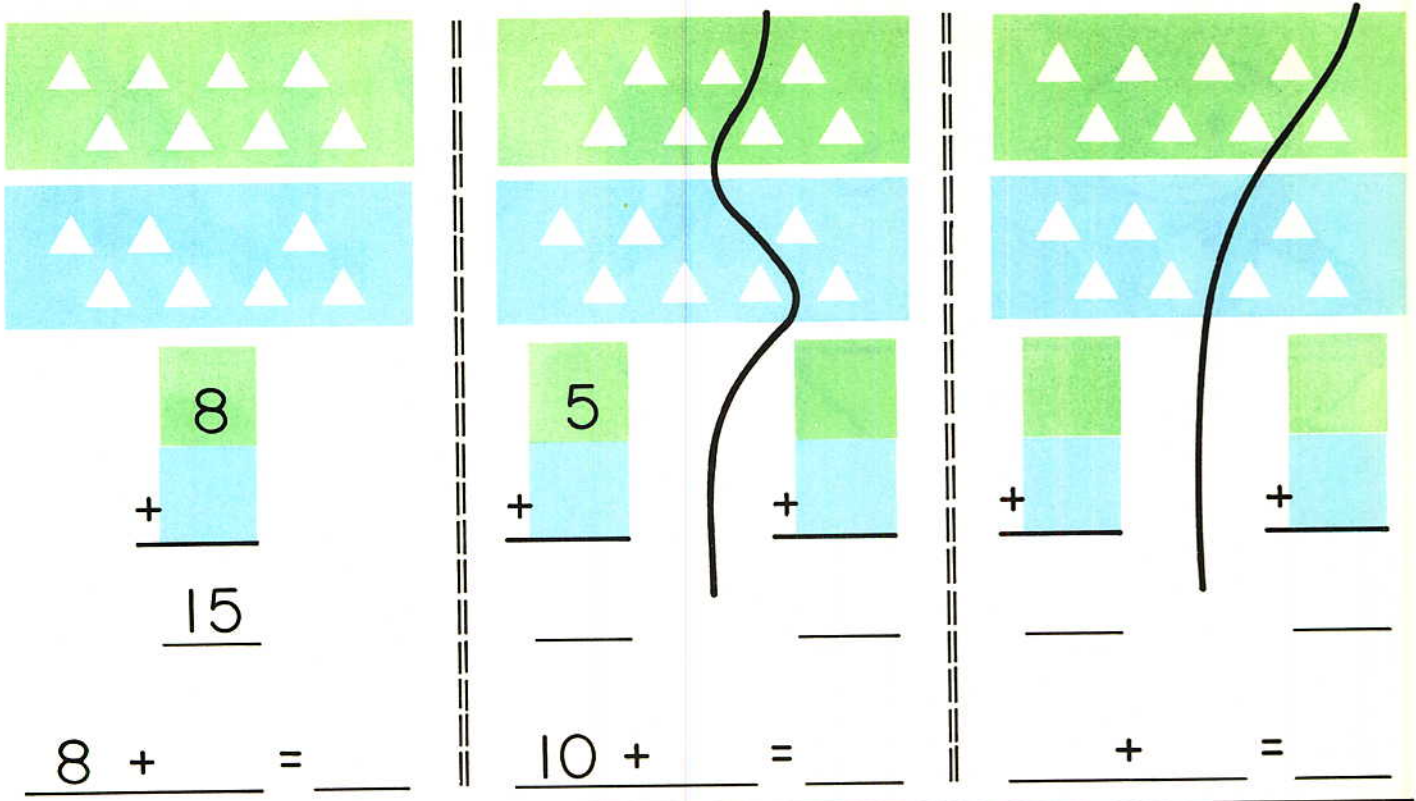
12 = \+ ____

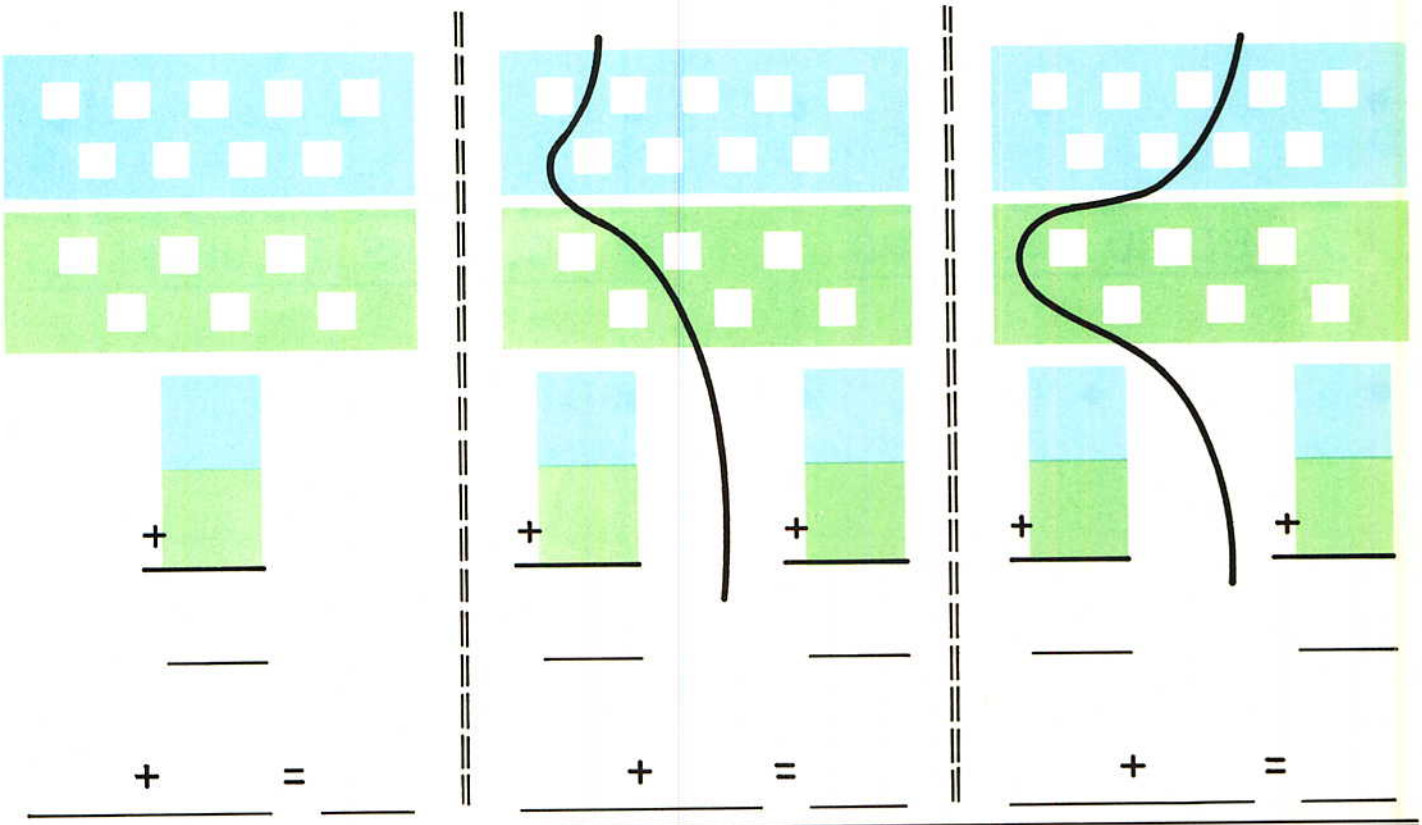
\+ ____ = 12

12 = \+ ____

\+ ____ = 12

\+ ____ = 12





___ + ___ = 15

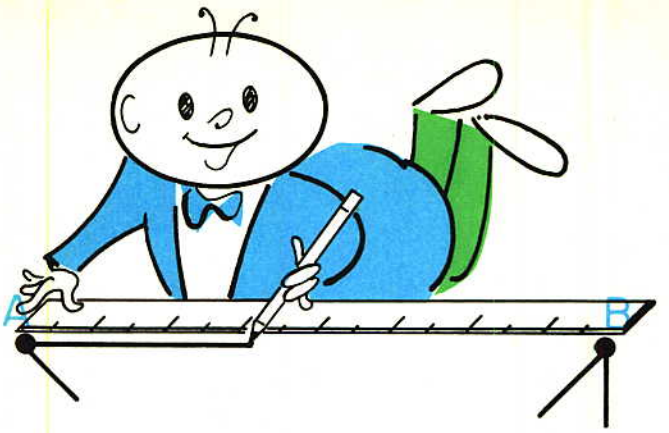
___ + ___ = 15

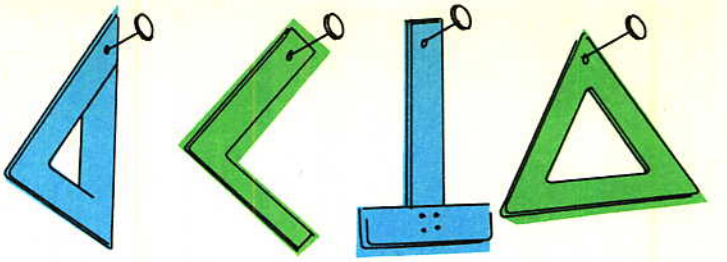
___ + ___ = 15

15 = ___ + ___

15 = ___ + ___

___ + ___ = 15





A B E J F

I K

D C H L G

AB, BC, CD, DA, AC, BD

EF, FG, GH, HE, IJ, JK, KL, LI

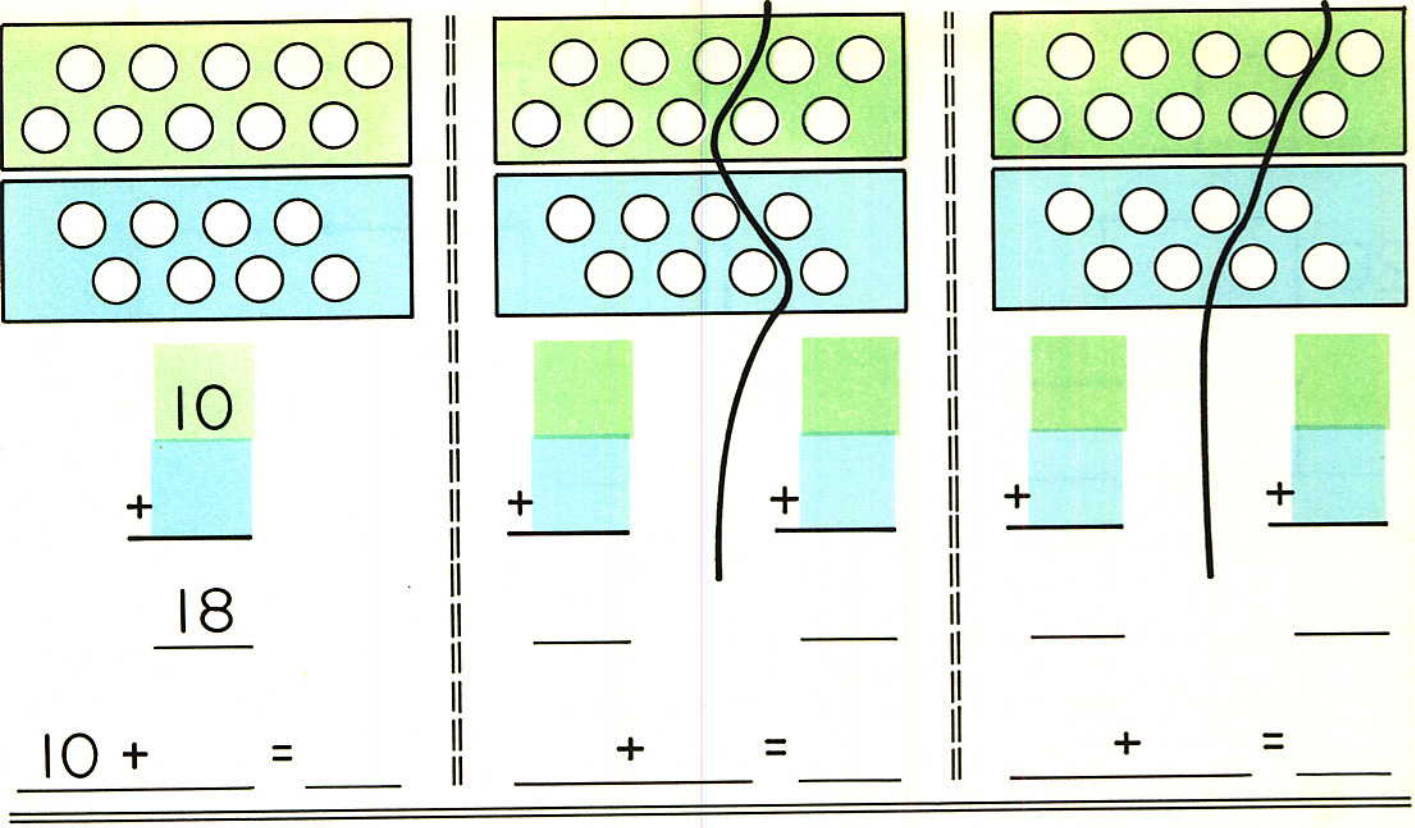
A F B I N J

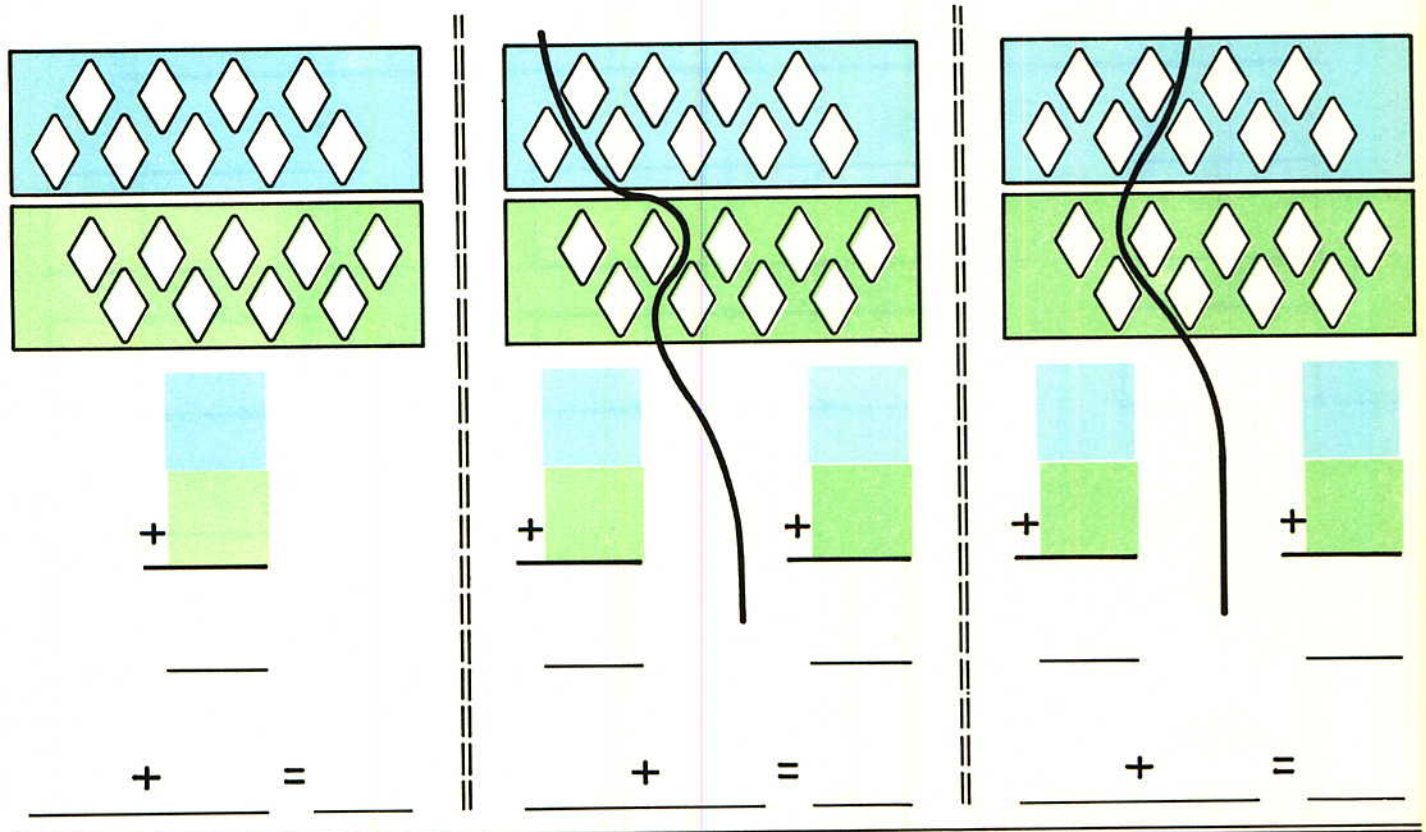
E G M O

D H C L P K

AB, BC, CD, DA, EG, FH

IJ, JK, KL, LI, MK, NL, OI, PJ





+ = 18 18 = +

+ = 18 18 = +

+ = 18 + = 18

a

20

b

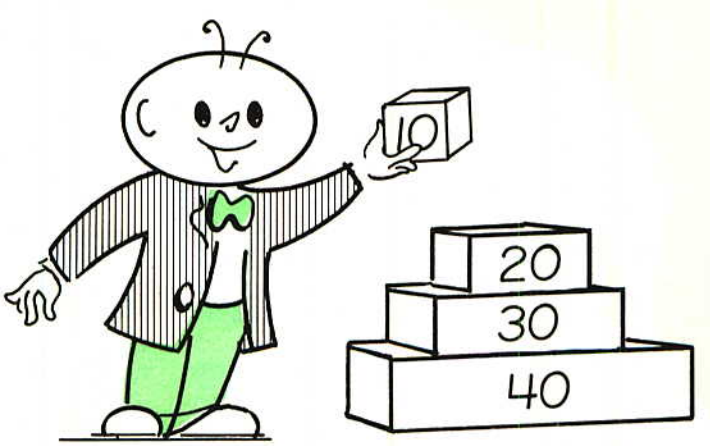
c

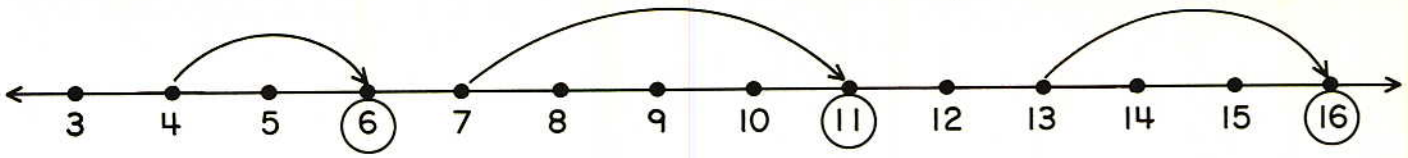
d

e

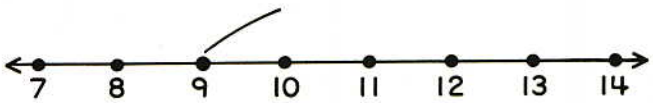
f

g

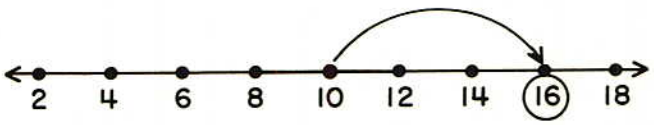




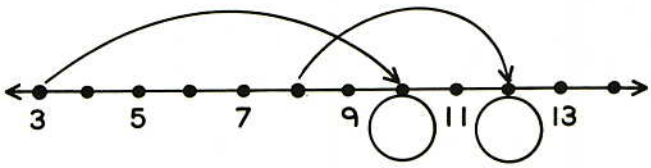
4 + ☐ = ☐ 7 + ☐ = ☐ ☐ + ☐ = ☐



9 + 4 = ☐

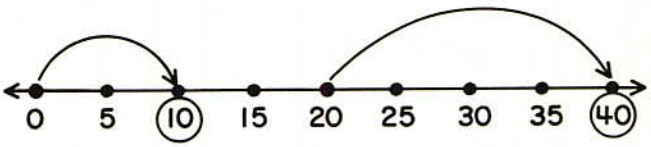


10 + ☐ = 16



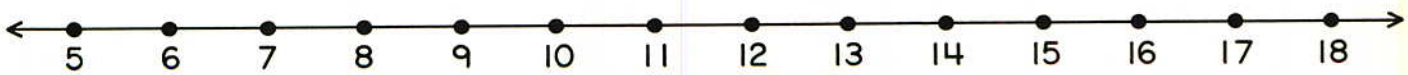
3 + ☐ = ☐

☐ + ☐ = ☐

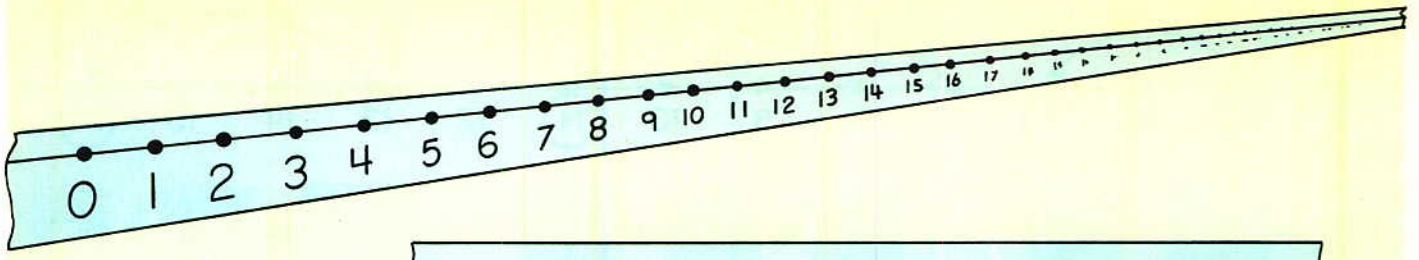


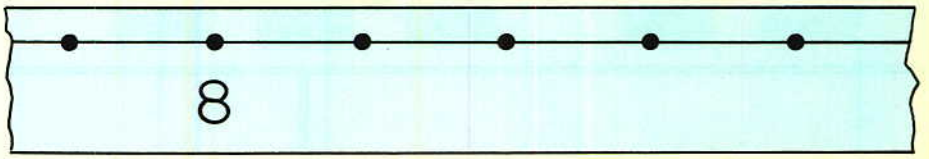
0 + ☐ = ☐

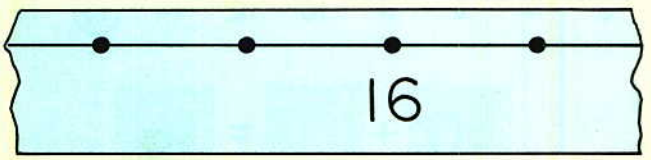
20 + ☐ = ☐



5 + 6 = ☐	5 + ☐ = 11	8 + 5 = ☐	8 + ☐ = 13	9 + ☐ = 15	6 + 9 = ☐
☐ + 10 = 17	☐ + 7 = 17	5 + ☐ = 18	13 + 5 = ☐	14 + 6 = ☐	6 + ☐ = 20


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17


8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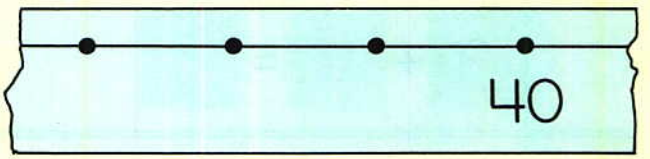
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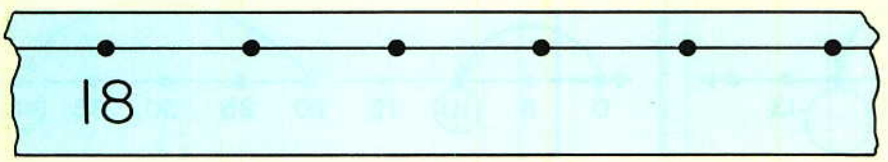
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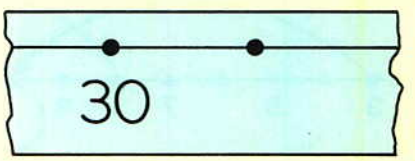
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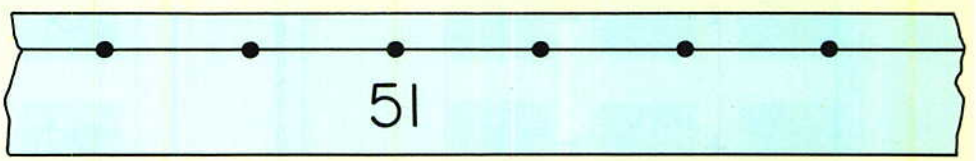
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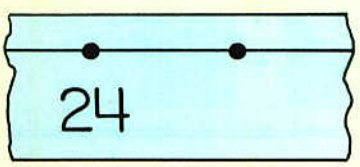
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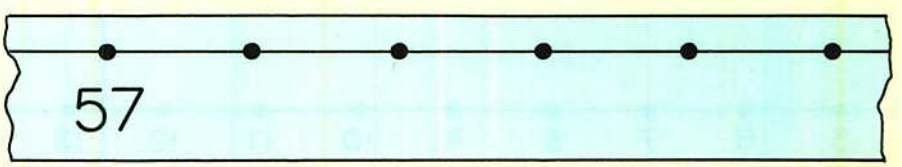
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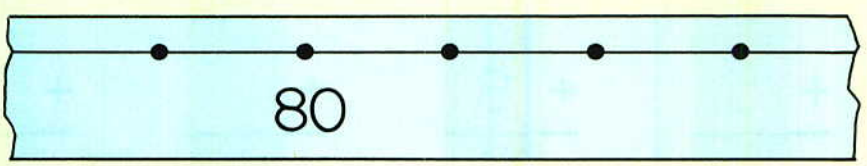
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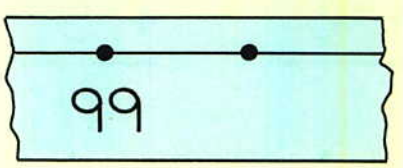
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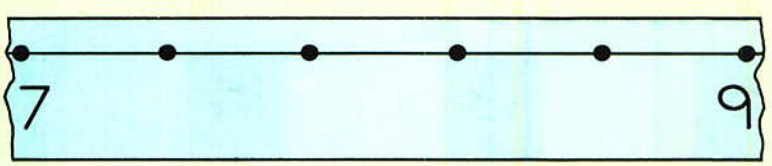
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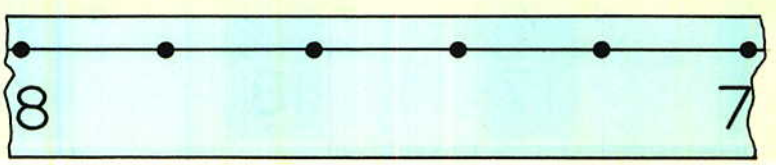
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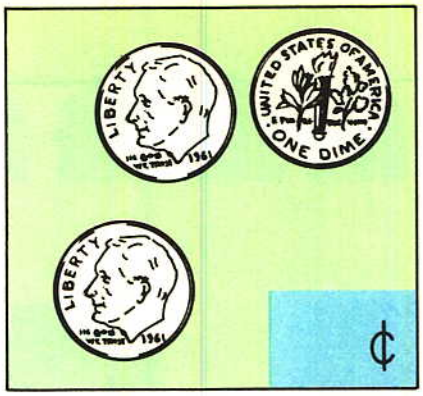
12¢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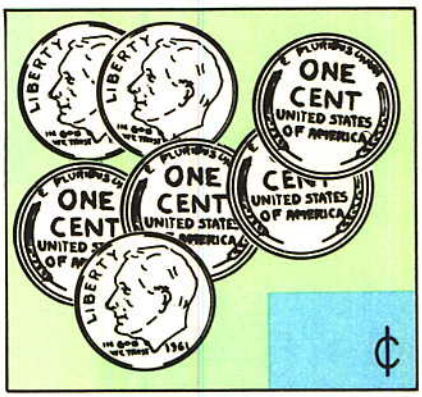
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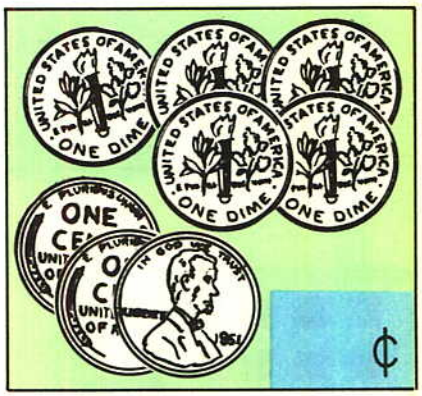
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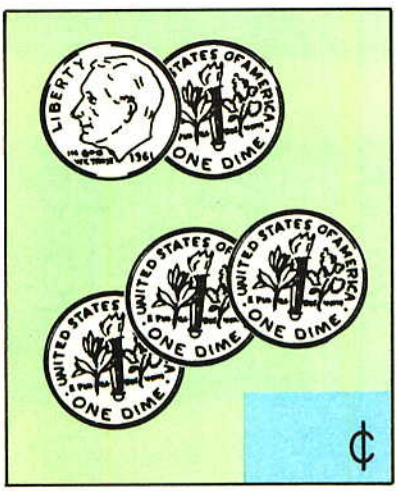
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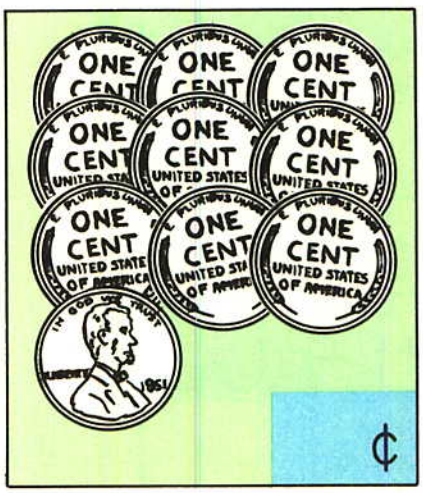
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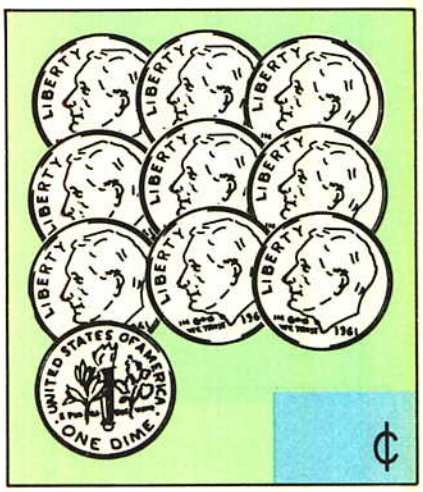
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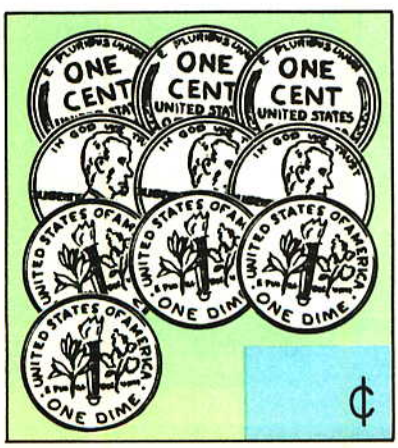
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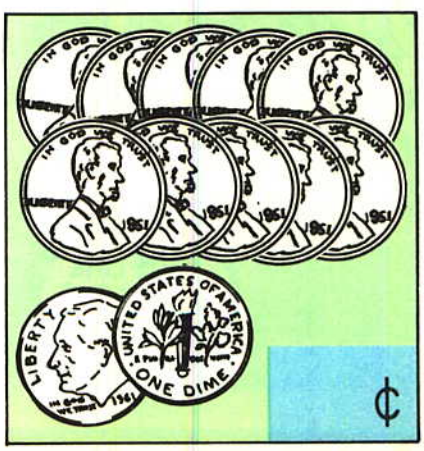
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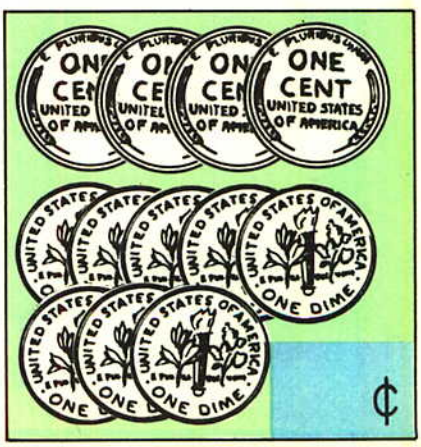
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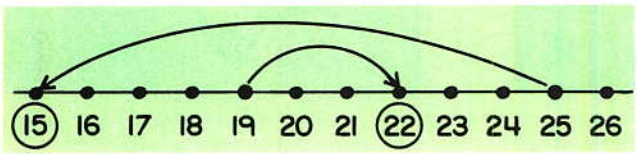
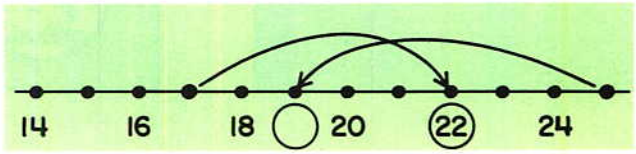
25 26



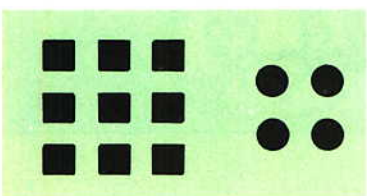


19 ___ = 22

25 ___ = 15

___ + ___ = ___

___ − ___ = ___



9 + ___ = ___

4 + ___ = ___

___ − ___ = ___

___ − ___ = ___

10 + 5 = ___

10 + 10 = ___

12 + 10 = ___

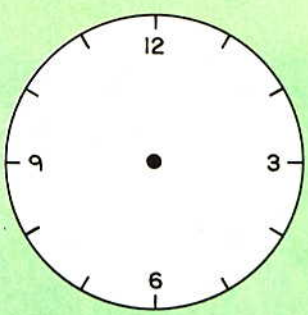
19 + 2 = ___

3 + 17 = ___

11 + 11 = ___

18	18	18
+ 2	+10	+12

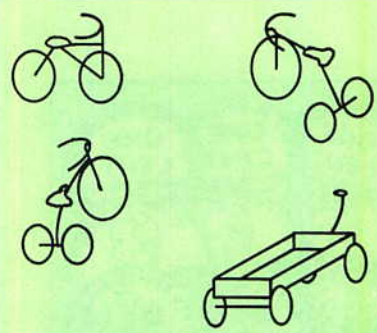
25	25	25
− 5	− 7	−10



The time is 11:30

___ coins

___ ¢



___ wheels

8	8	
3	6	

	9	
7		11
14	13	

	8	13
14	17	

1	2	3	
6		4	
	7		

	6		18
1	3		9
10			

8		6	15
3	5		
4	9		15
		15	

	1	4	10
8		4	18
	14	4	
15			

Bill Jones has two brothers and three sisters. Bill is three years old.

words

¢

cookies

0 _ 2 3 _ _ _ _ _ _

A

1, 2 → 3
6, 7 → 8
3, 4 → 5

7, 8 → _
5, 6 → _
2, 3 → _

B

5, 4 → 3
2, 1 → 0
7, 6 → 5

4, 3 → _
9, 8 → _
6, 5 → _

C

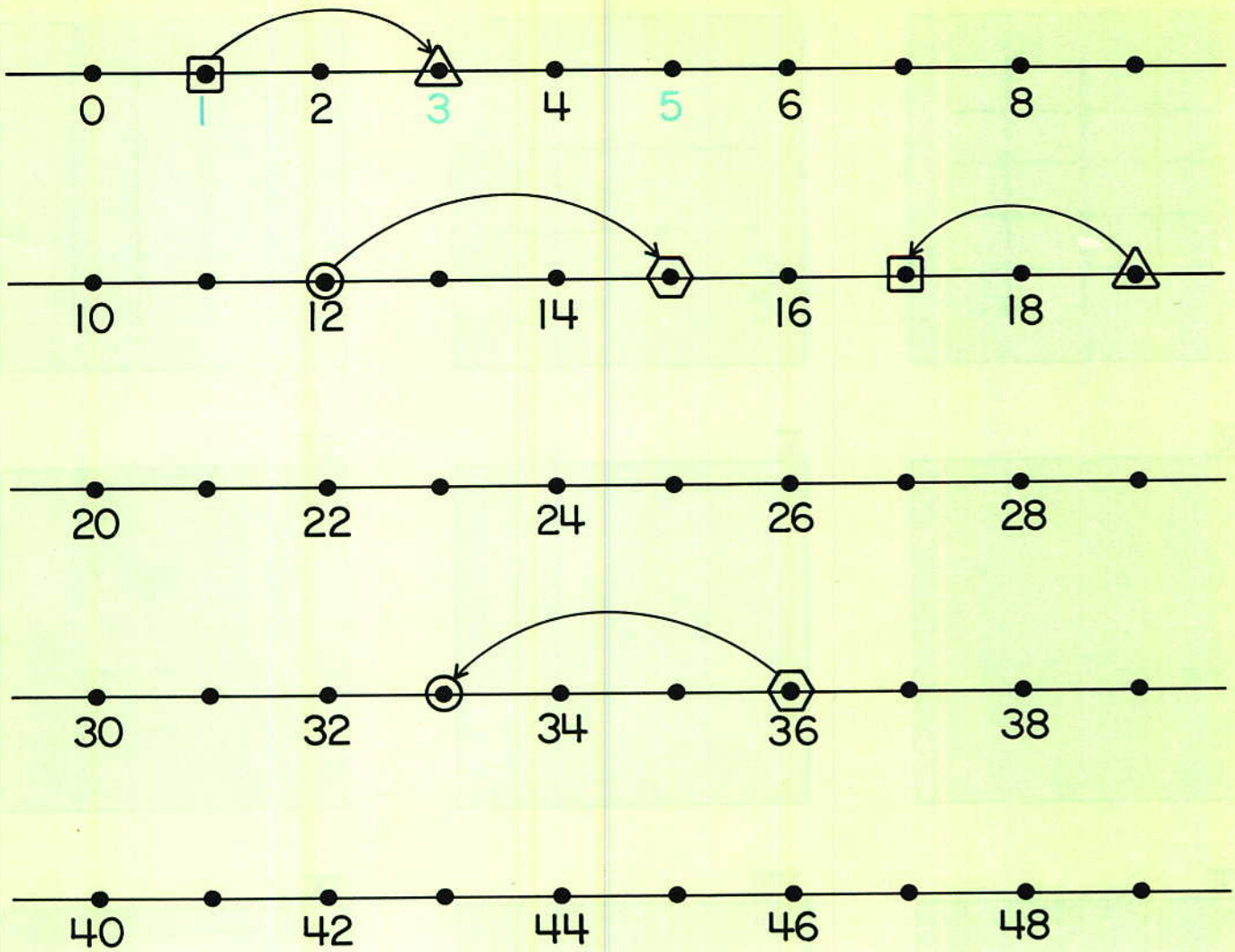
1, 3 → 2
4, 6 → 5
2, 4 → 3

7, 9 → _
3, 5 → _
0, 2 → _

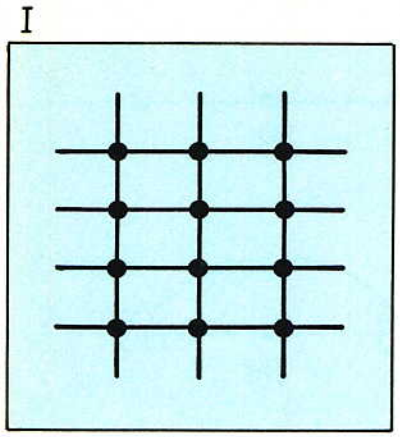
D

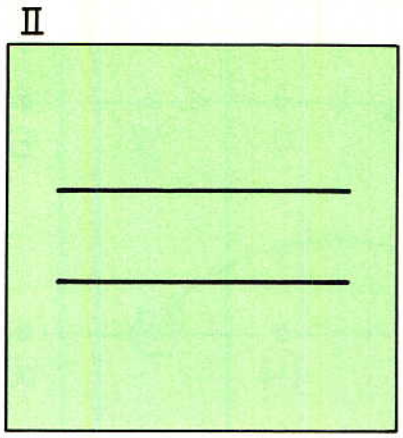
0, 2 → 4
3, 5 → 7
4, 6 → 8

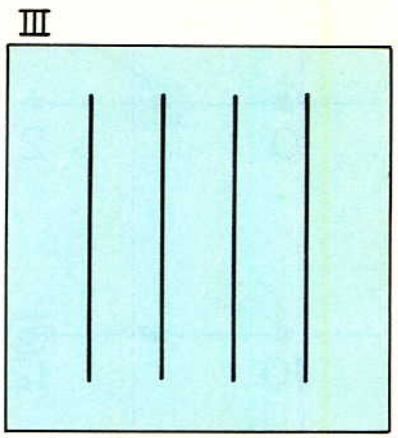
2, 4 → _
5, 7 → _
1, 3 → _

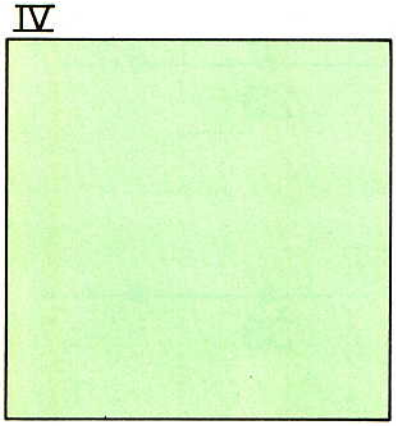


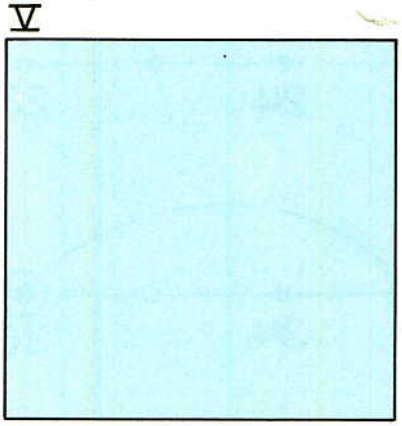
□ → △	△ → □	○ → ⬡	⬡ → ○
1 → 3	19 → 17	12 → 15	36 → 33
3 → 5	22 → 20	45 → 48	27 → 24
5 →	47 →	14 →	39 →
7 →	29 →	→ 34	→ 10
→ 13	→ 31	23 →	→ 43

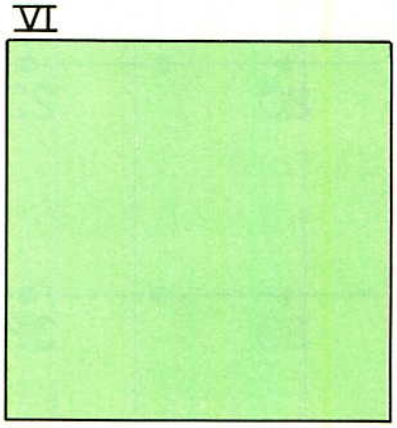


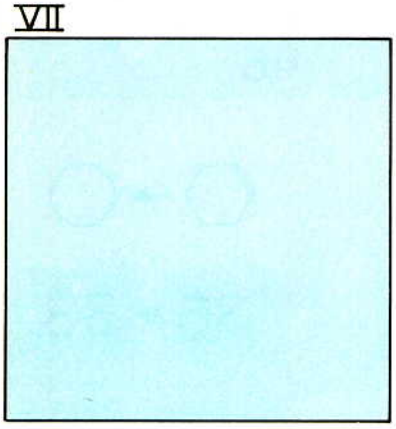


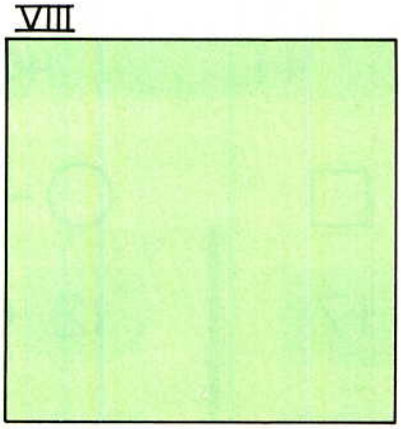


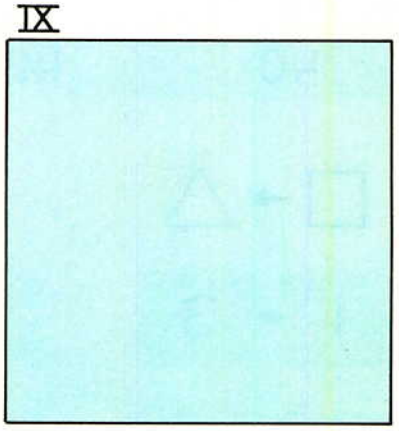












	I	II	III	IV	V	VI	VII	VIII	IX
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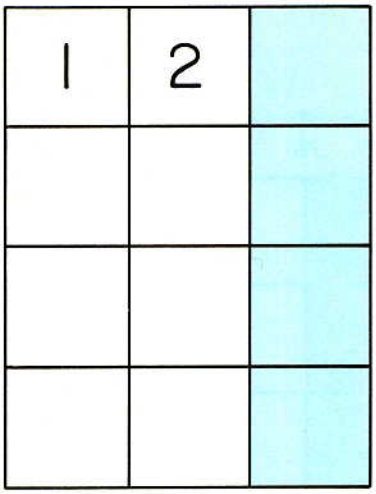
| Lines	3	5			2	5			4
+	12			9			10	12	16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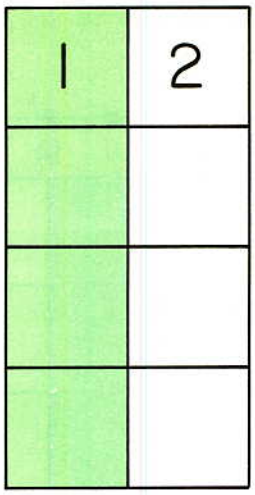
2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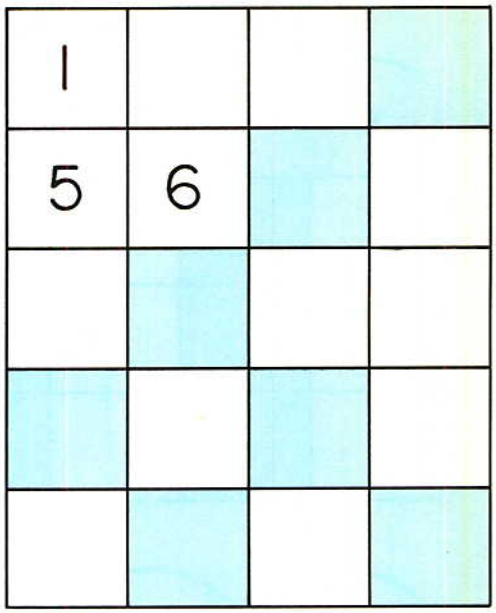
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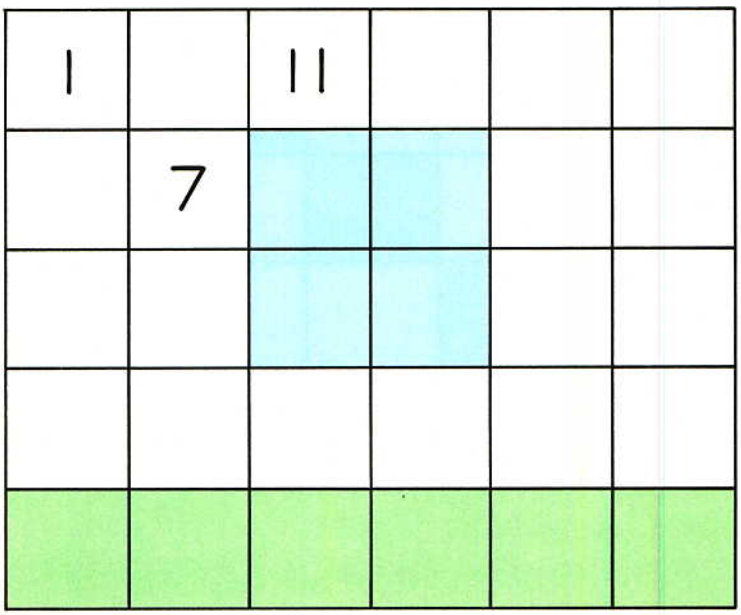
5
6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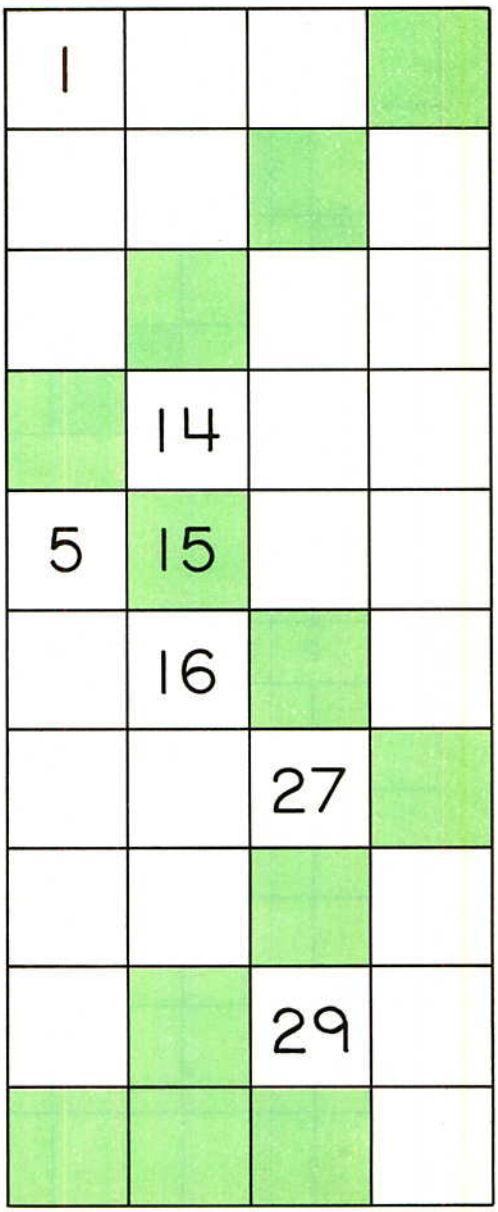
7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14
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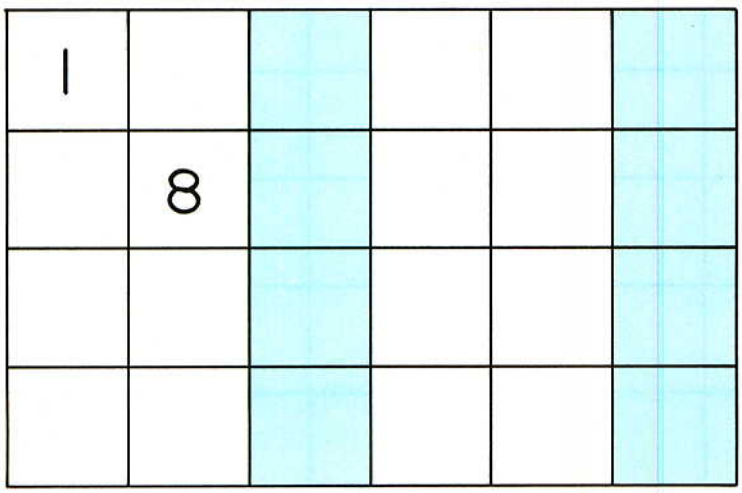
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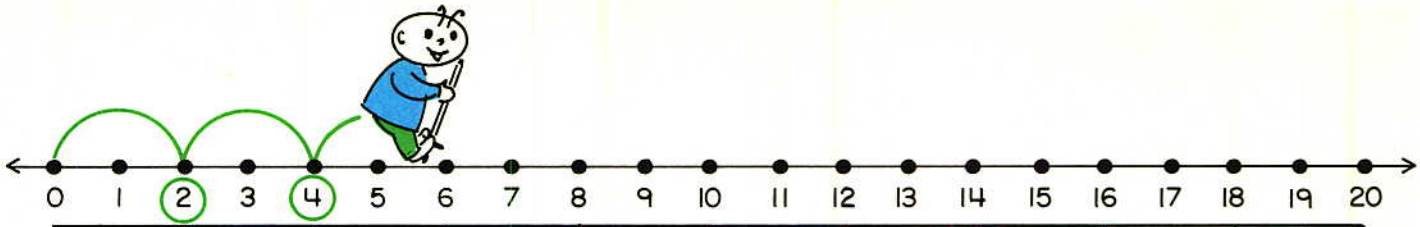
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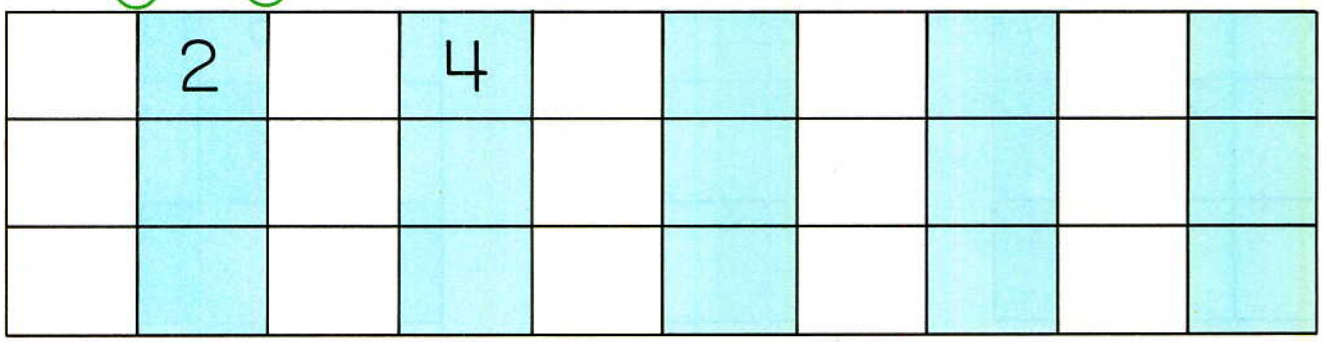
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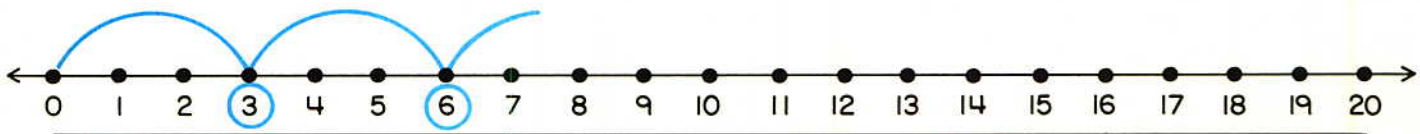
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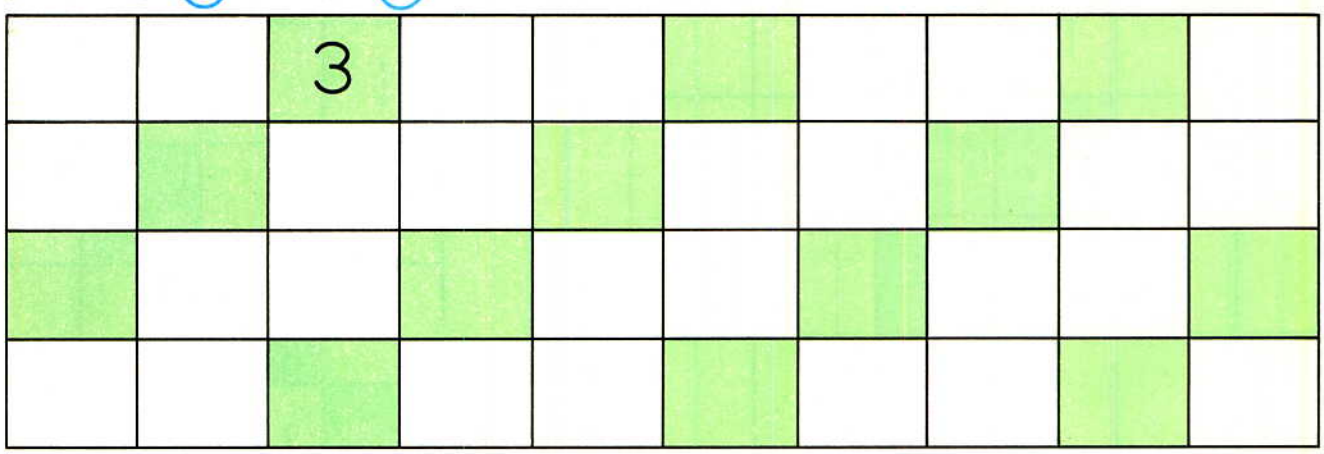
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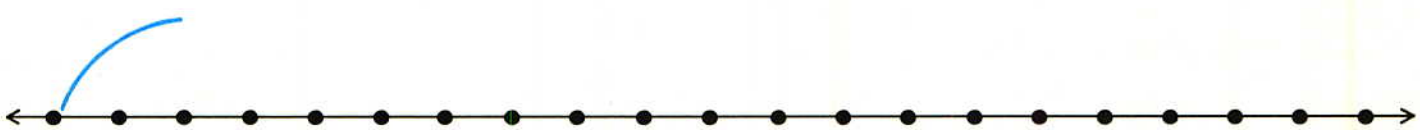
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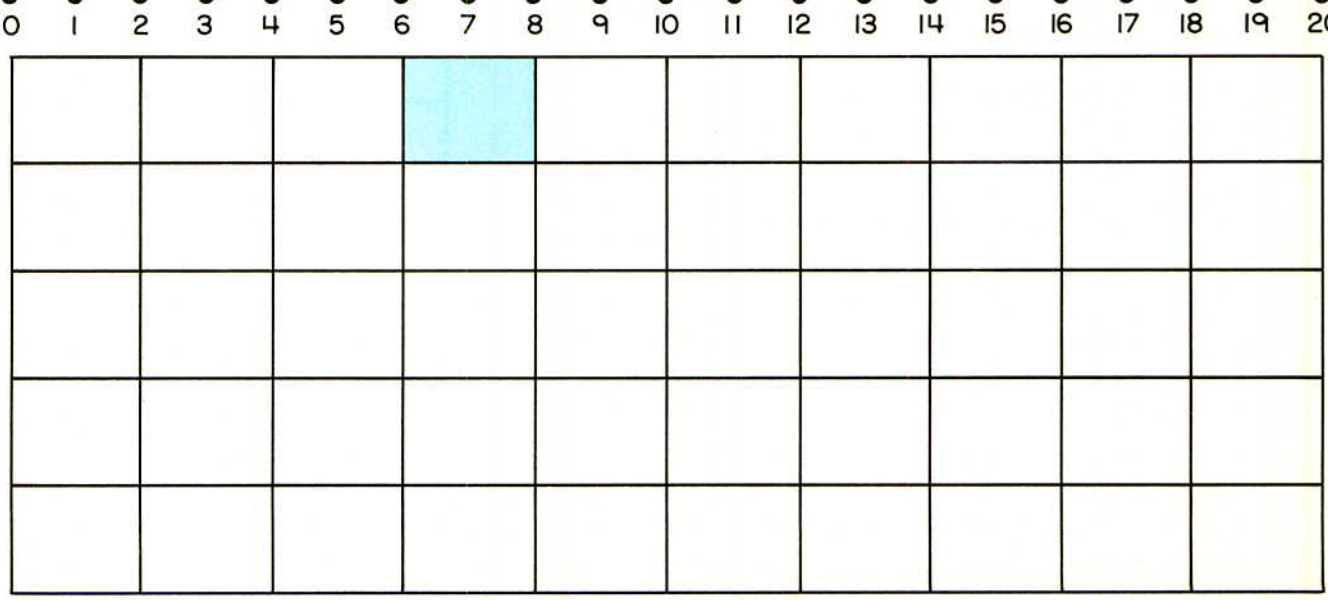

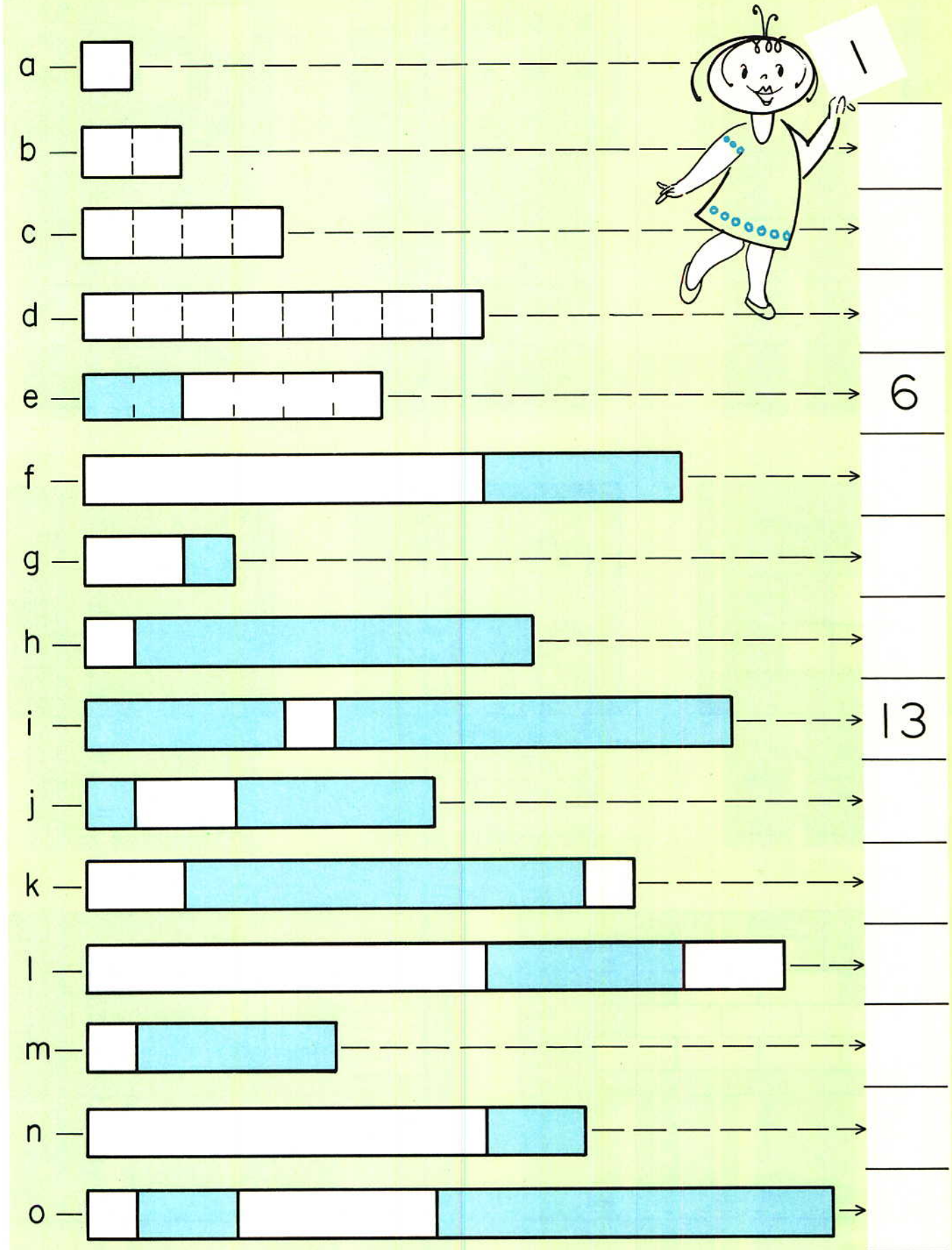
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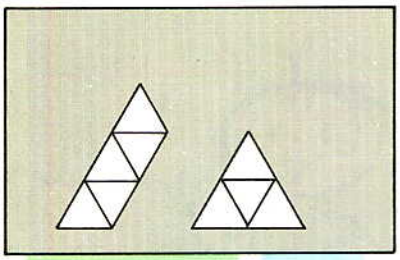
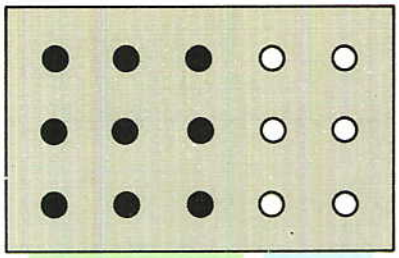


5 + 4 = ___

4 + ___ = 9

9 - ___ = ___

___ - ___ = ___

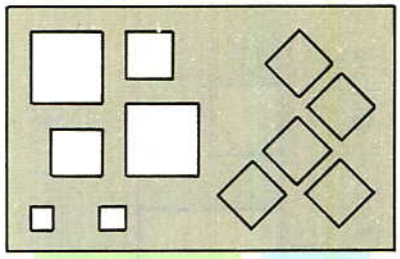


___ + ___ = ___

___ + ___ = ___

___ - ___ = ___

___ - ___ = ___

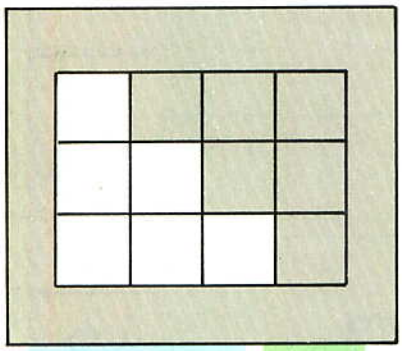


___ + ___ = ___

___ = ___

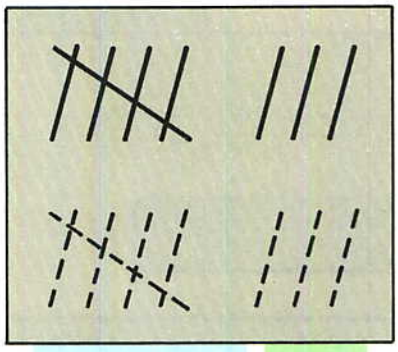
___ = ___

___ = ___



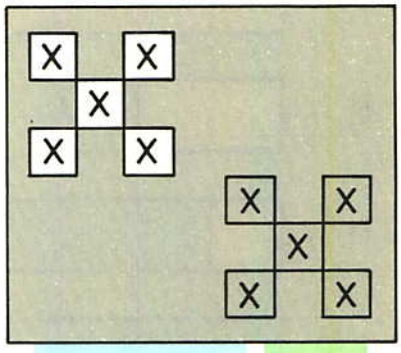
___ + ___ = ___

___ - ___ = ___



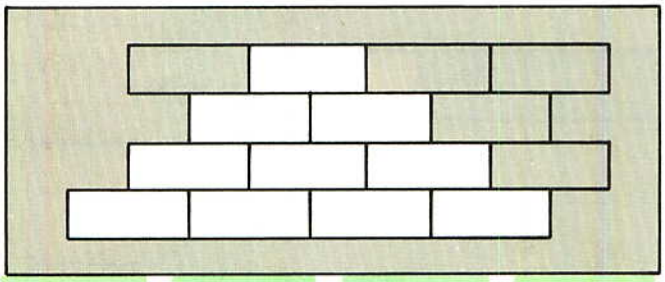
___ + ___ = ___

___ - ___ = ___

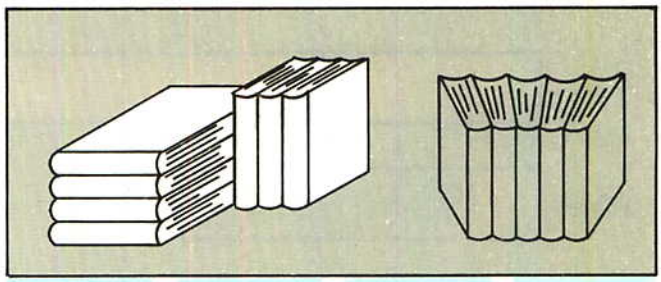


___ + ___ = ___

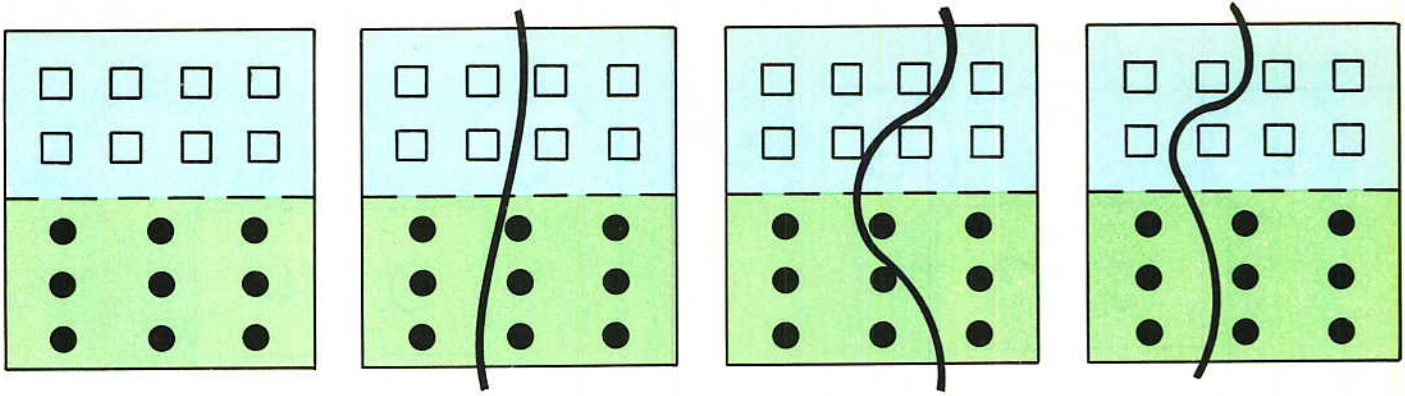
___ - ___ = ___



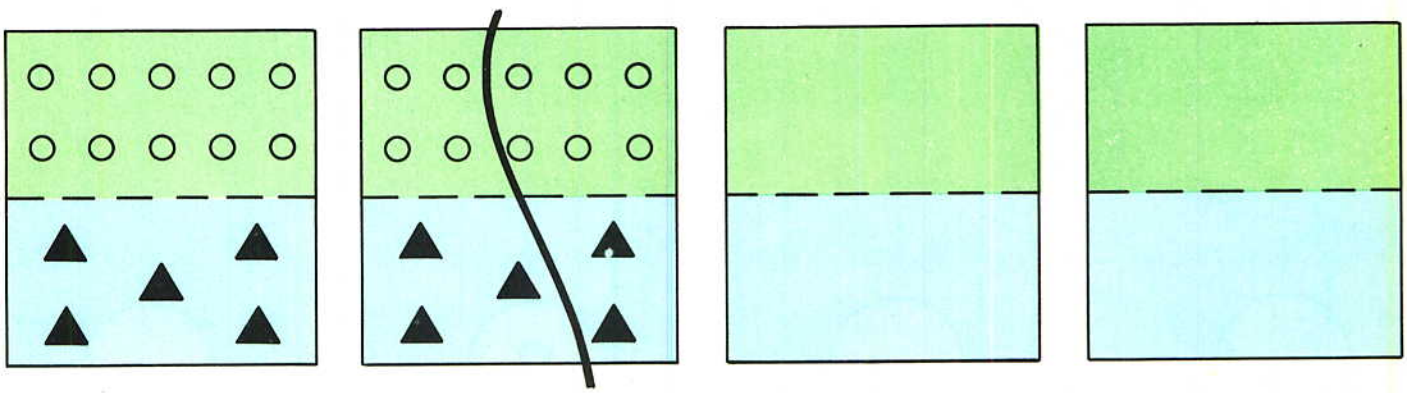
___ + ___ ___ + ___ ___ - ___ ___ - ___



___ + ___ ___ + ___ ___ - ___ ___ - ___



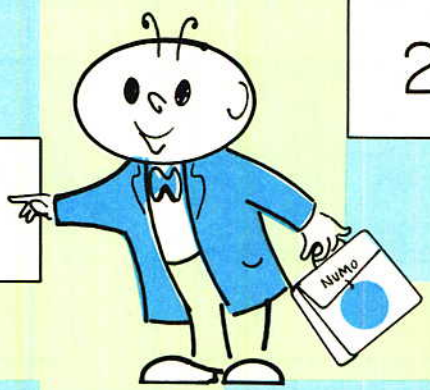
8	4 + 4	5 +	3 +
+ 9	+ 3 + 6	+ + 4	+ 3 +
	7 + 10	+ 7	6 +



10	4 +	2 +	5 +
+ 5	+ +	+ 2 + 3	+ 4 +
	+	+ 11	9 + 6

7	4 +	+ 5	7 + 0
+ 6	+ 4 +	+ + 5	+ 3 +
	+ 5	3 +	+ 3

2		3
1	3	4
0	1	
1	4	



0		
0	4	
2	0	

1 + 4 = 4 + 1 = 5

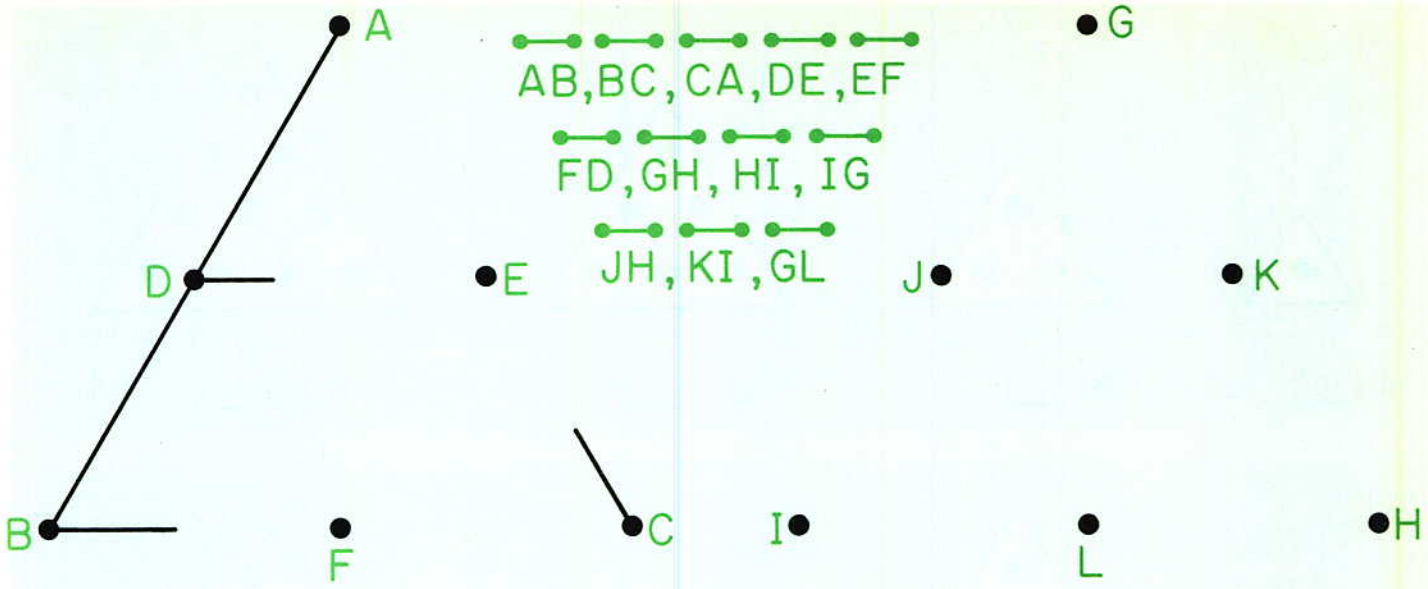
2 + ___ = ___ + ___ = ___

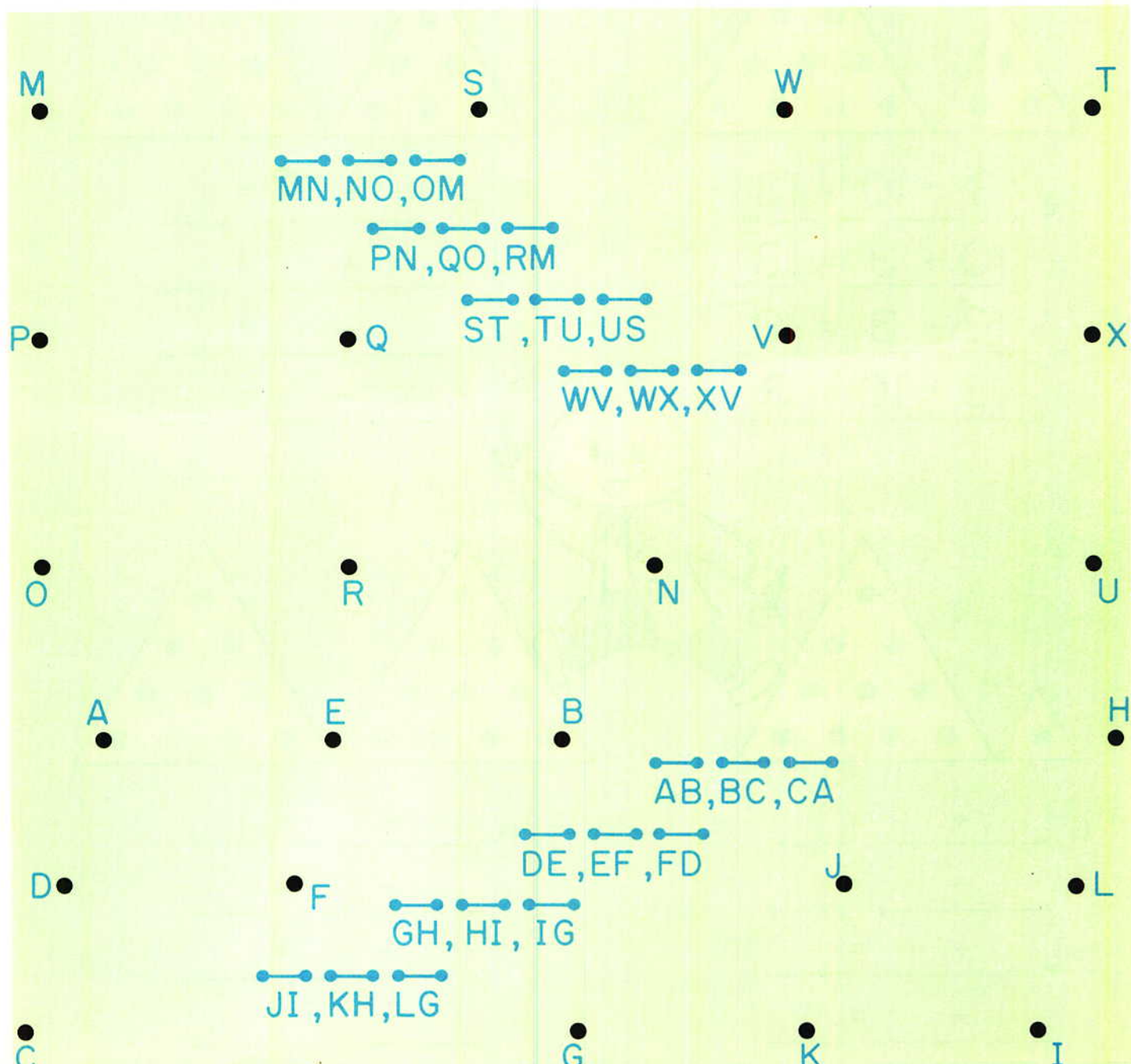
2		4
	2	
3		

8		
4	0	
4		8

___ + ___ = ___ + ___ = ___

___ + ___ = ___


A
G
AB,BC,CA,DE,EF
FD,GH,HI,IG
JH,KI,GL
D
E
J
K
B
F
C
I
L
H


M
S
W
T
MN,NO,OM
PN,QO,RM
ST,TU,US
P
Q
V
X
WV,WX,XV
O
R
N
U
A
E
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AB,BC,CA
DE,EF,FD
D
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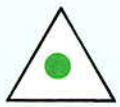
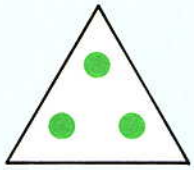
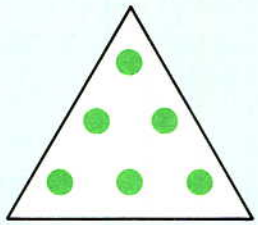
GH,HI,IG
JI,KH,LG
C
G
K
I



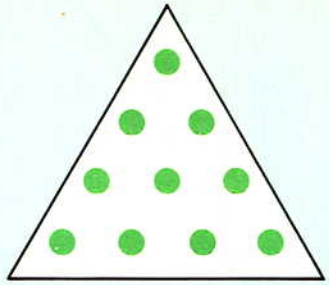
A. 1



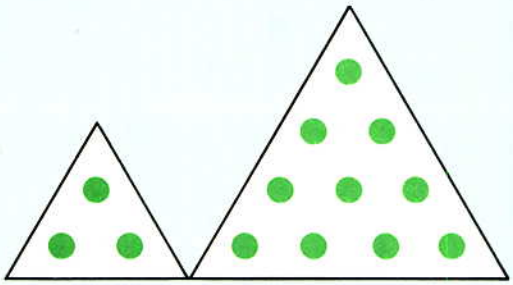
B. ____



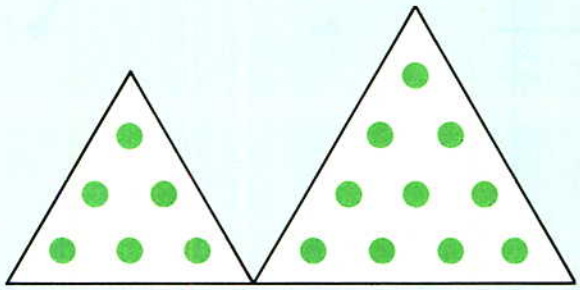
C. ____



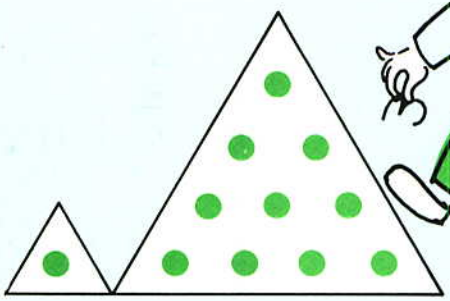
D. ____

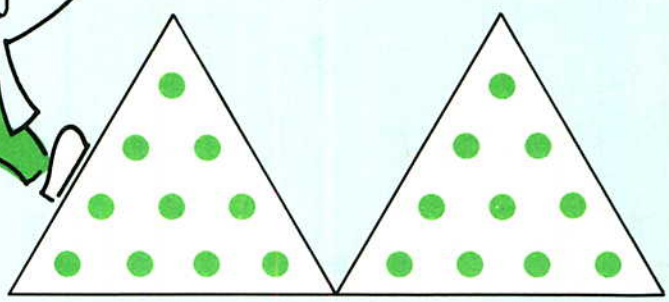


E.
$3 + 10 = 13$
$10 + 3 = 13$
$13 - 3 = 10$
$13 - 10 = 3$



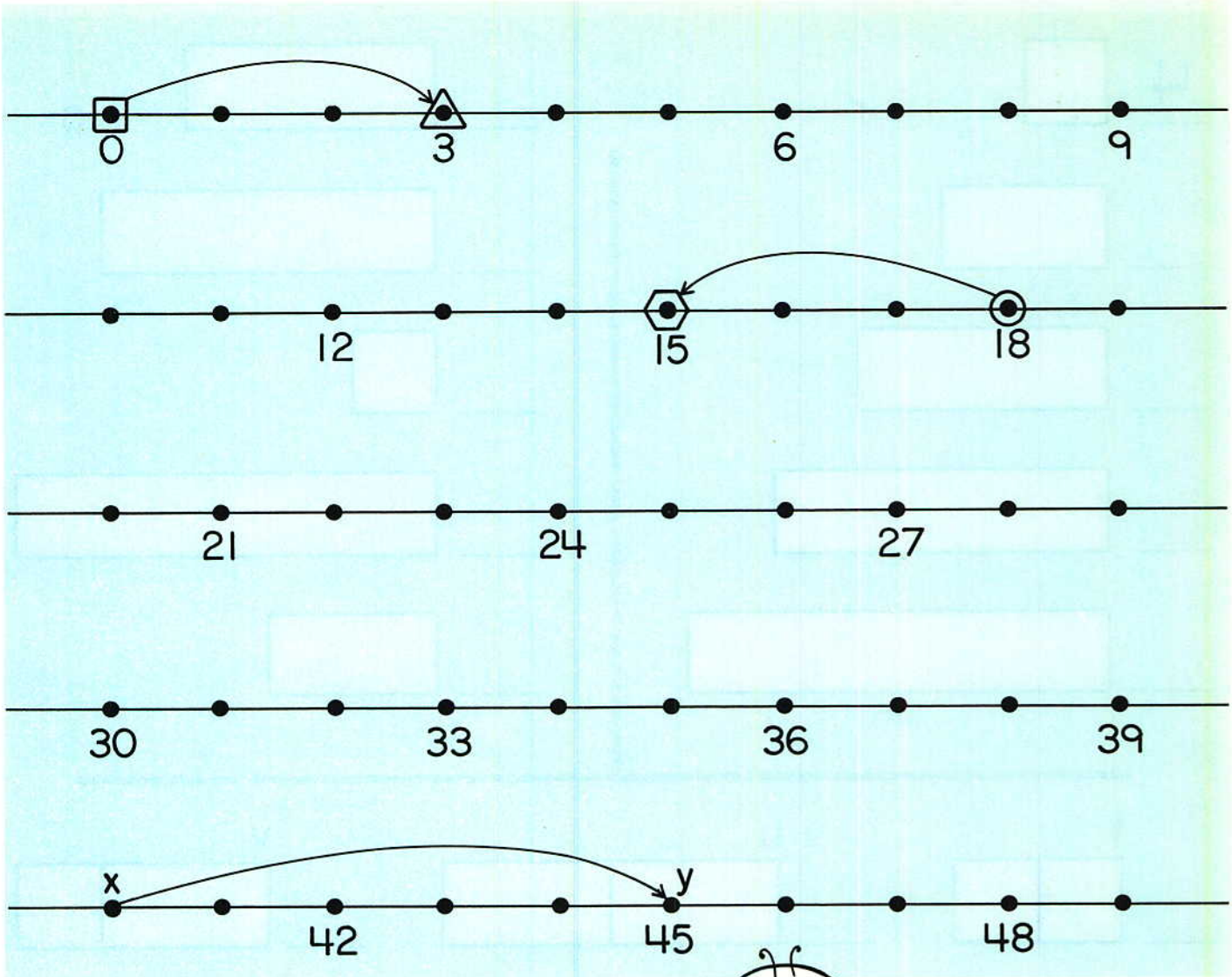
F. ____ + ____ = ____
____ + ____ = ____
____ − ____ = ____
____ − ____ = ____

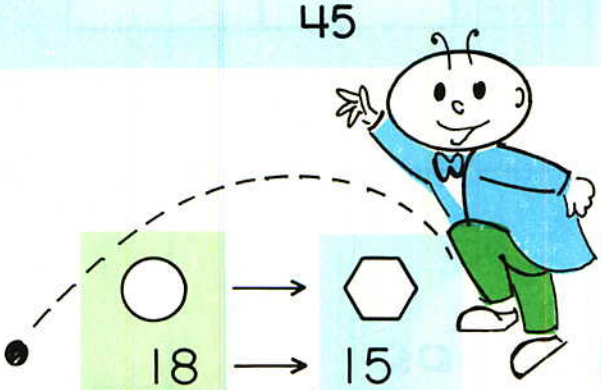




G. ____ + ____ = ____
____ − ____ = ____
____ + ____ = ____
____ − ____ = ____

H. ____ + ____ = ____
____ − ____ = ____
____ + ____ = ____
____ − ____ = ____





□	→	△
0	→	3
3	→	6
6	→	
12	→	
33	→	
42	→	

○	→	⬡
18	→	15
24	→	21
13	→	
28	→	
39	→	
	→	45

x	→	y
40	→	45
1	→	6
4	→	
	→	25
37	→	
	→	30

4

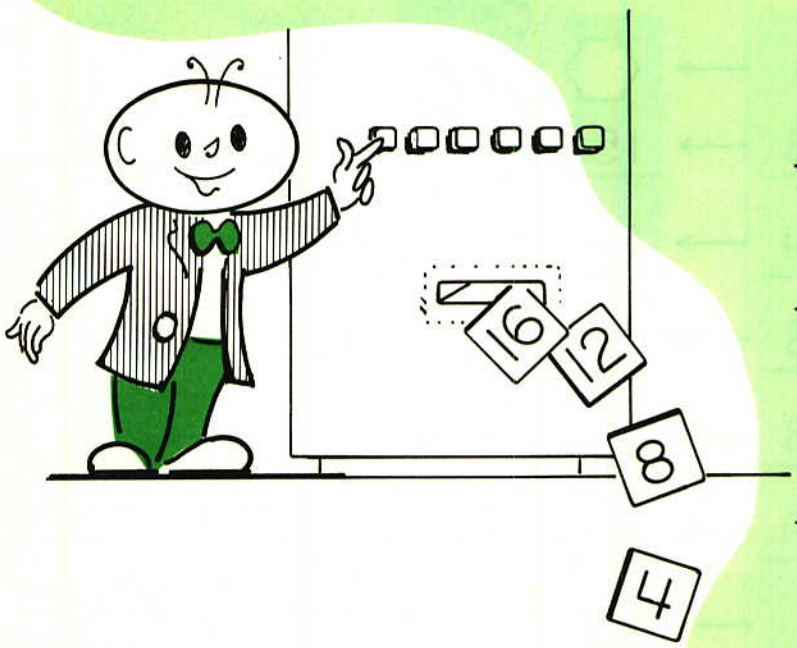
r

s

t

u

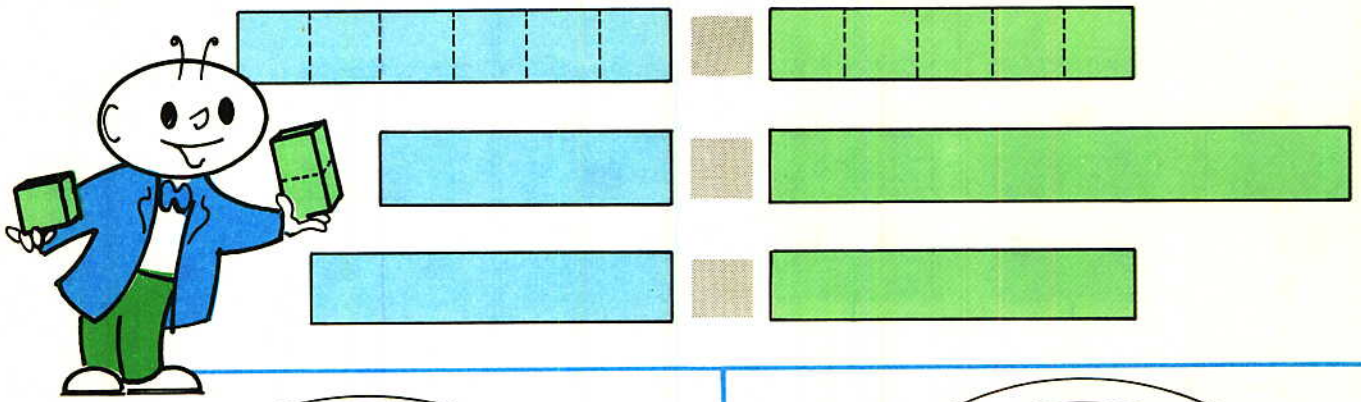
v

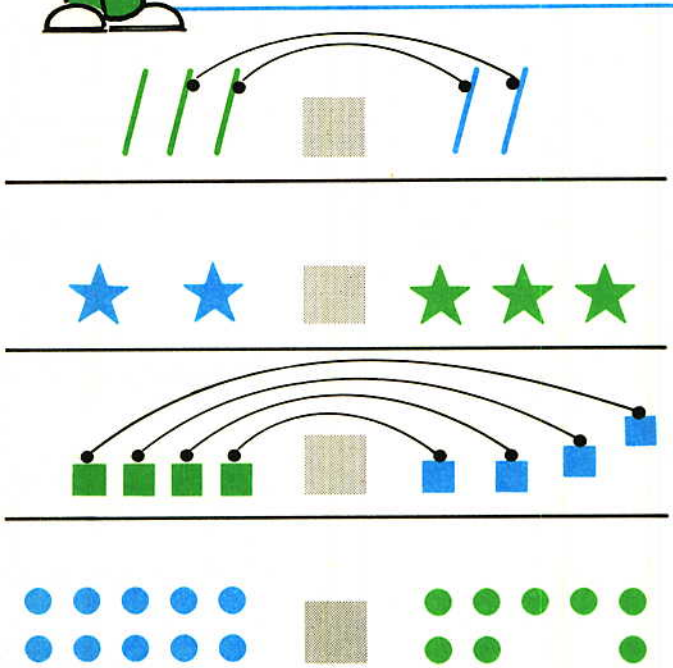


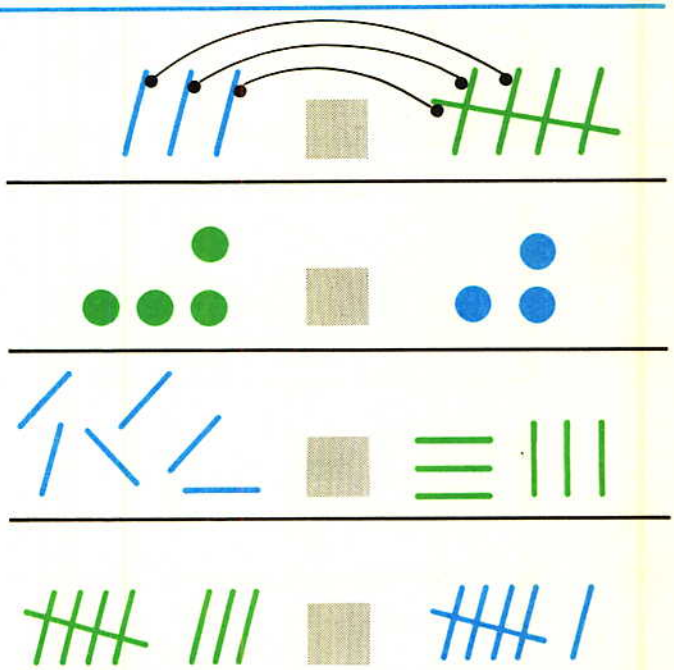
w

x

> Greater than < Less than = Equal to







3 < ◇

3 > ▽

13 ▢ 13

3+5 ▢ 1+5

9 ▢ △

7 < ○

△ < 7

7+4 ▢ 4+7

12 = ○

▽ > 10

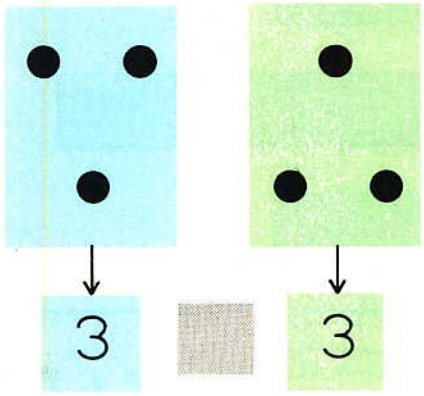
○ < 10

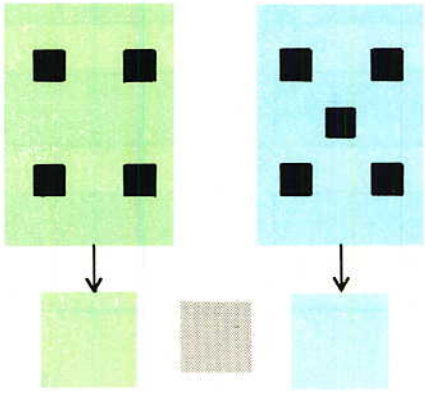
8+2 ▢ 5+2

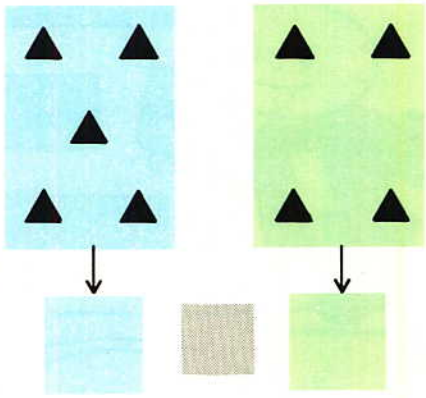
= Equal To

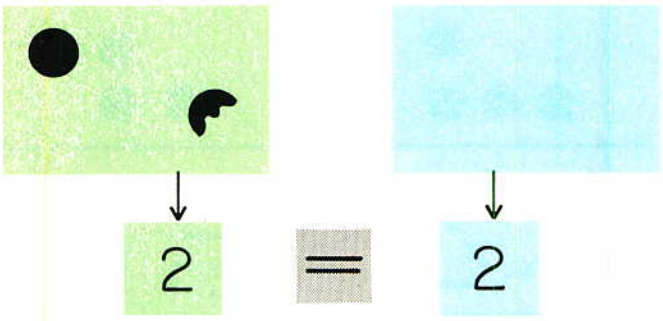
< Less Than

> Greater Than

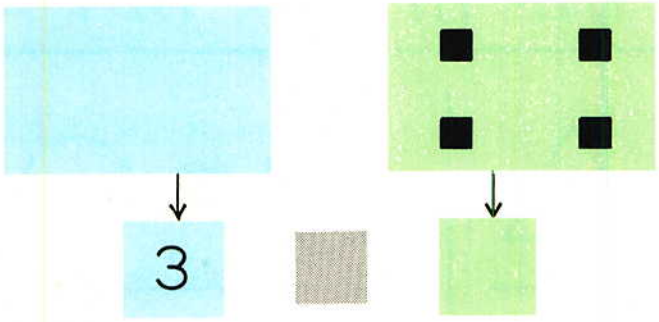




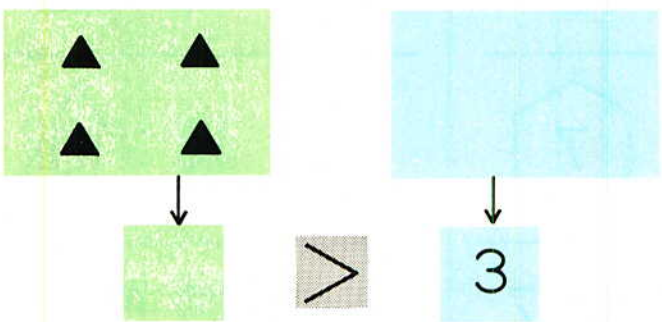




5		5
10	=	
5 + 10		10 + 5



5		10
2 + 3		6 + 4
3 + 2		4 + 6



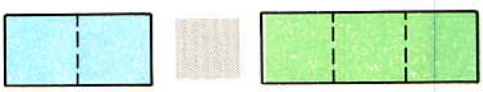
10		5
8 + 2		4 + 1
2 + 8		1 + 4

$1 < 2$ and $3 = 3$. So, $1 + 3 < 2 + 3$.

1. ..... $3 > 1$

..... and $2 \square 2$.

..... So, $3 + 2 \square 1 + 2$.

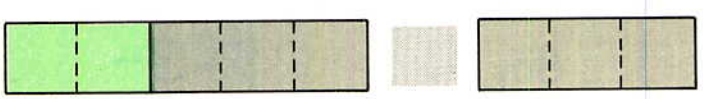
2.  ..... $2 \square 3$

..... and $1 = ___$.

..... So, $2 + 1 \square 3 + ___$.

3. ..... $___ \square 0$

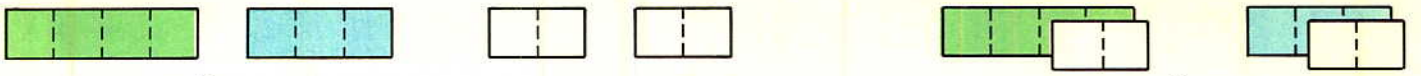
..... and $3 \square ___$.

 ..... So, $2 + ___ \square 0 + ___$.

4. ..... $2 \square ___$

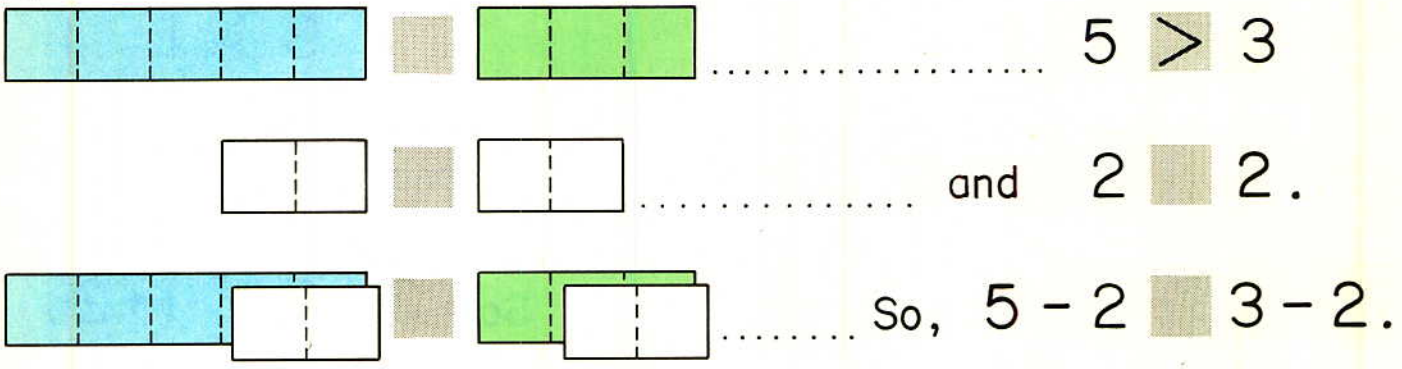
..... $3 \square ___$

..... $2 + 3 \square _____$



$4 > 3$ and $2 = 2$. So, $4 - 2 > 3 - 2$.

A.

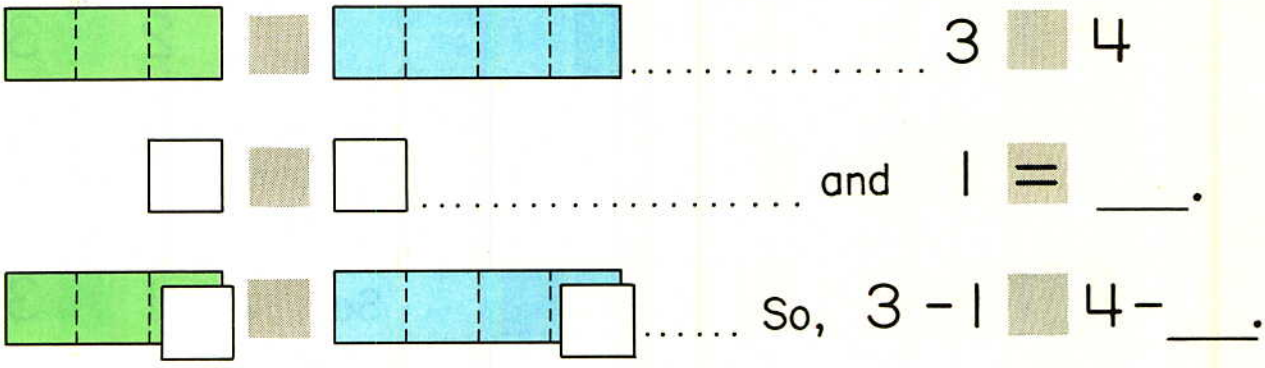


$5 > 3$

and $2 = 2$.

So, $5 - 2 = 3 - 2$.

B.

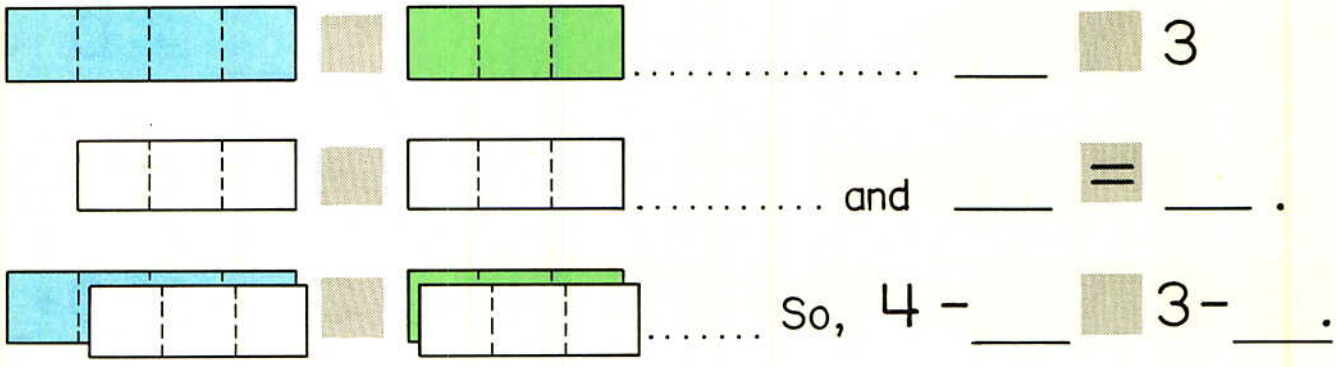


$3 < 4$

and $1 = ___$.

So, $3 - 1 < 4 - ___$.

C.

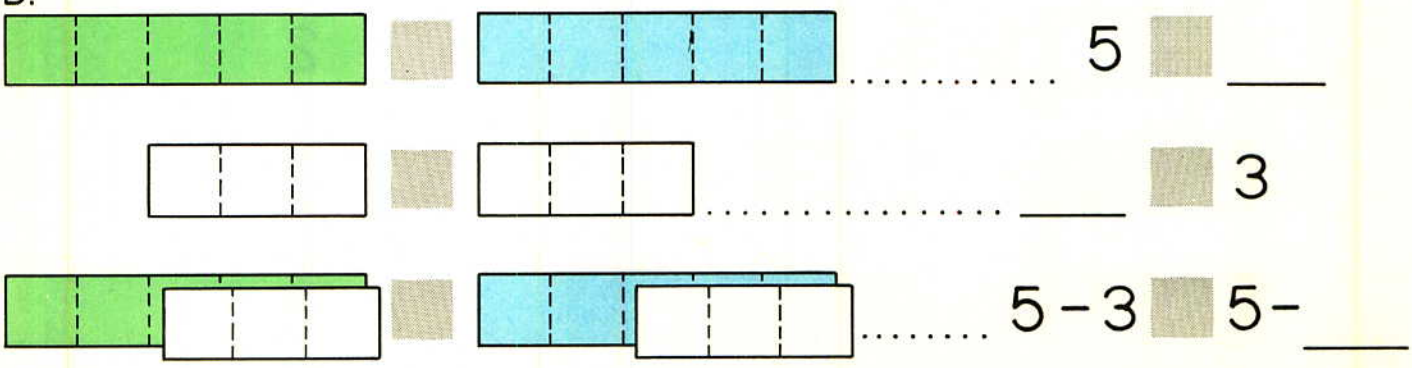


$___ = 3$

and $___ = ___$.

So, $4 - ___ > 3 - ___$.

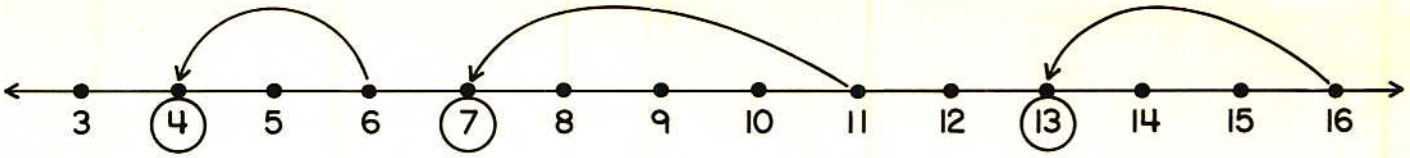
D.



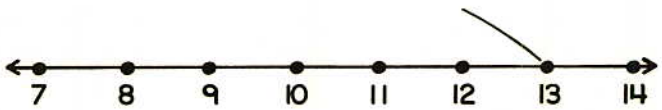
$5 > ___$

$___ = 3$

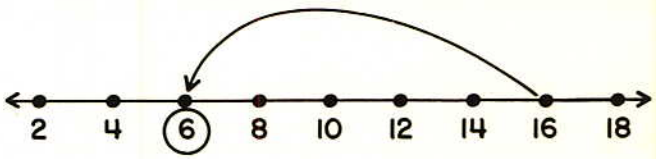
$5 - 3 < 5 - ___$



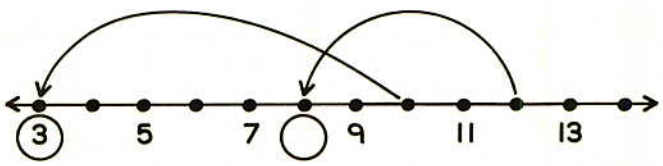
6 − ☐ = ☐ 11 − ☐ = ☐ ☐ − ☐ = ☐



13 − 4 = ☐

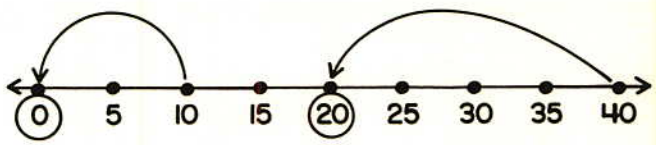


16 − ☐ = 6



10 − ☐ = ☐

☐ − ☐ = ☐

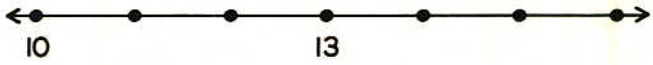


10 − ☐ = ☐

40 − ☐ = ☐

11 − 6 = ☐	☐ − 5 = 6	13 − ☐ = 8	13 − 8 = ☐	15 − 6 = ☐	☐ − 9 = 6
☐ − 10 = 7	☐ − 7 = 10	18 − ☐ = 5	18 − ☐ = 13	20 − ☐ = 14	☐ − 14 = 6

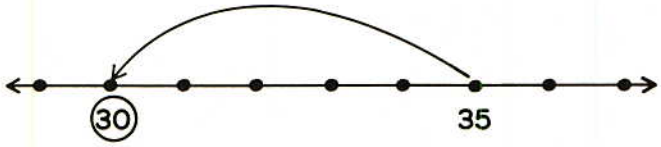
12 − 2 = ☐



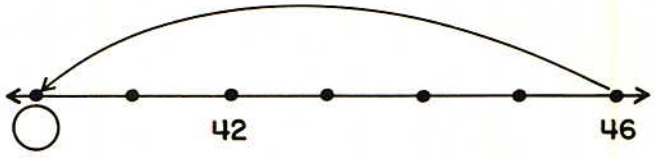
16 − ☐ = 10

☐ − 4 = 10

25 − 5 = ☐



☐ − ☐ = ☐



☐ − ☐ = ☐

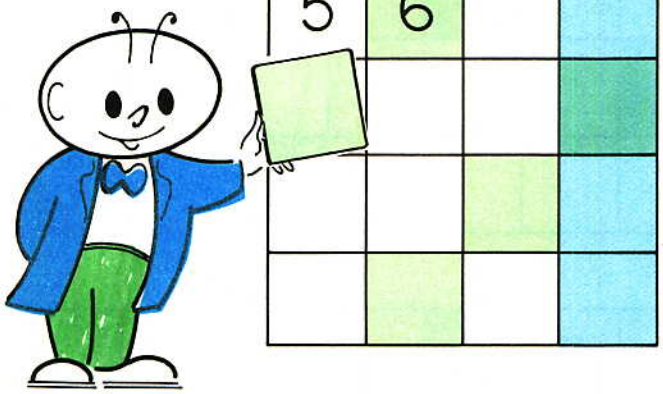
55 − ☐ = 50 ☐ − 6 = 50 58 − 8 = ☐

12 − ☐ = 8 ☐ − 4 = 21 ☐ − 3 = 43

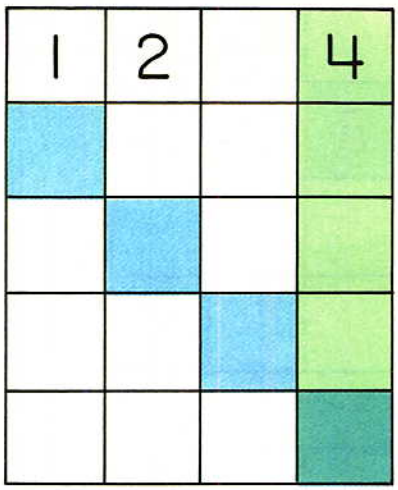
☐ − 3 = 9 36 − 4 = ☐ 41 − ☐ = 41

24 − ☐ = 19 37 − ☐ = 29 58 − 6 = ☐

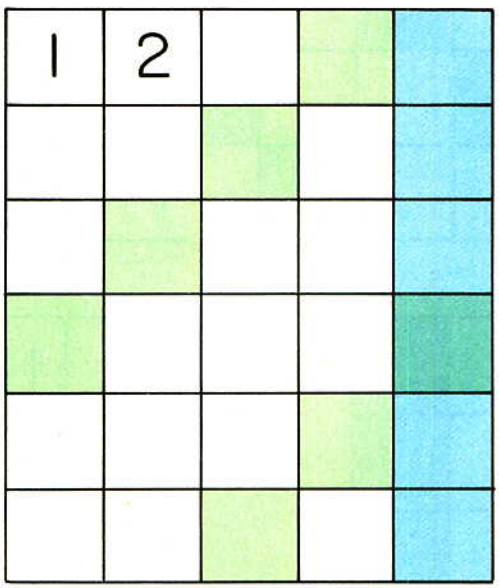
U.



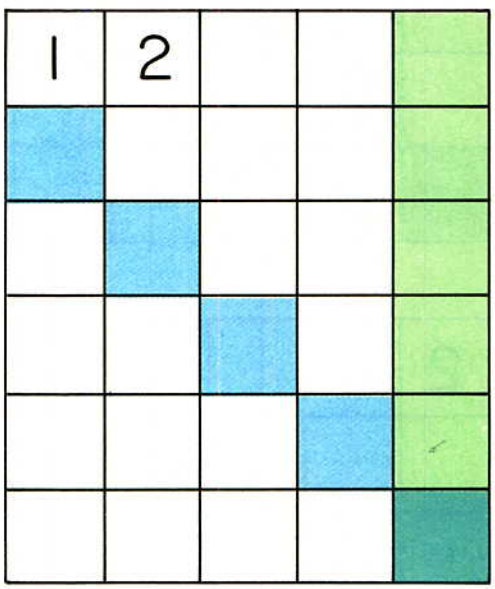
V.



W.



X.



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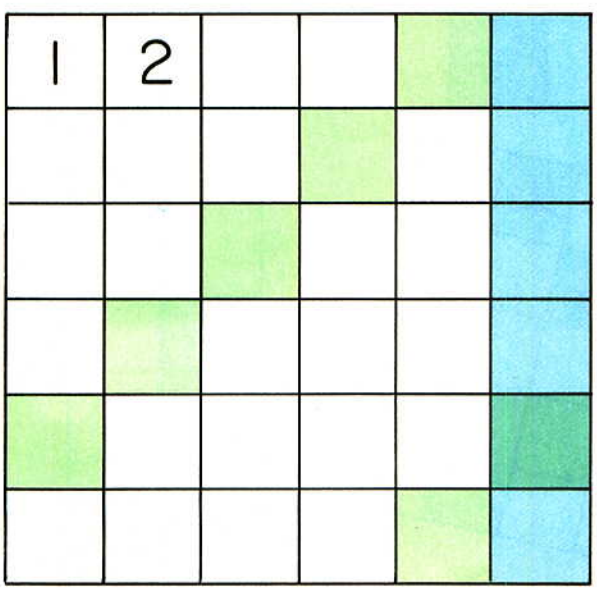
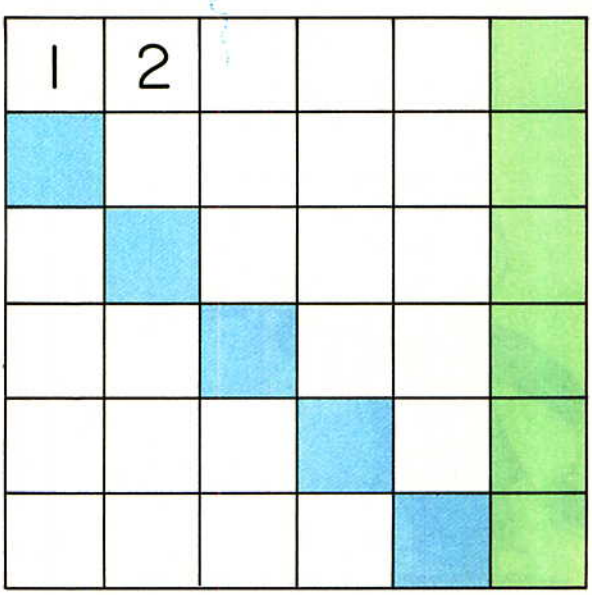


Z.



A.

1	2		4	5
		8		10

B.

1	2				6		8

C.

1	2				

D.

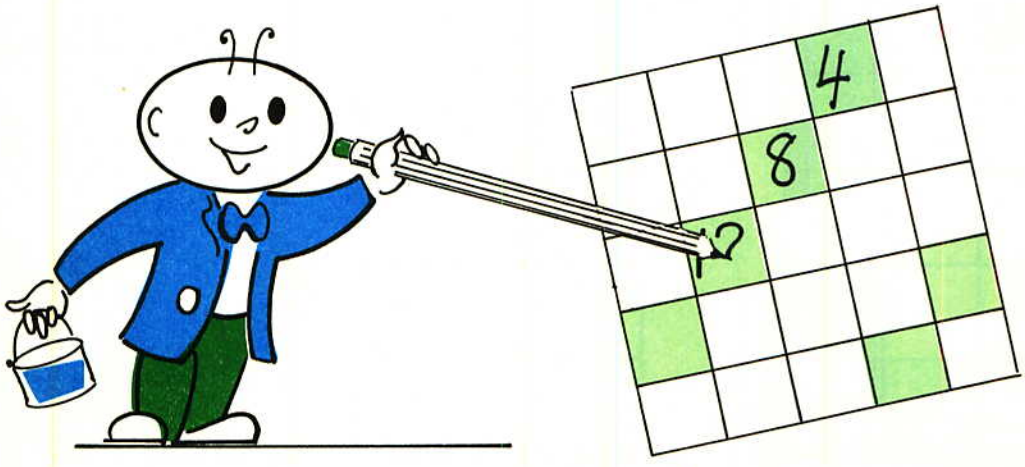
1	2					

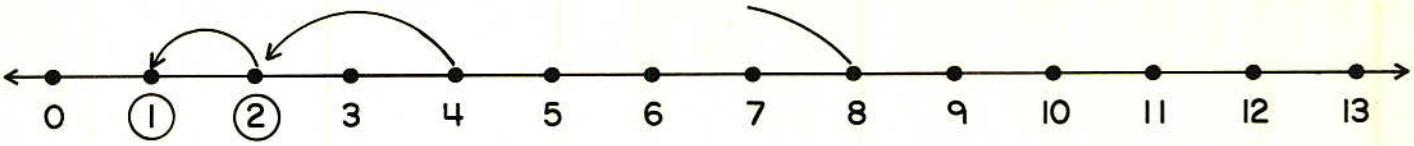
E.

1	2							

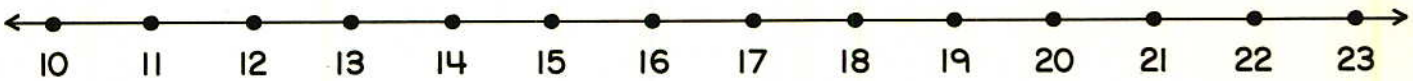
F.

1	11	
2		
3		

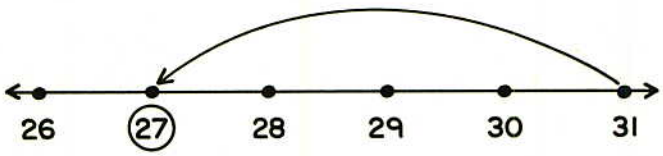




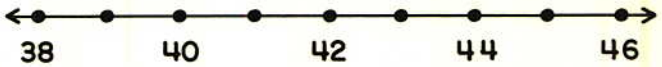
$2 - 1 = 1$ $\quad 4 - 2 = \square$ $\quad 8 - 3 = \square$



$11 - 1 = \square$ $\quad 14 - 2 = \square$ $\quad 21 - 3 = \square$



$31 - \square = \square$



$45 - \square = 38$

$\square - 4 = 17$

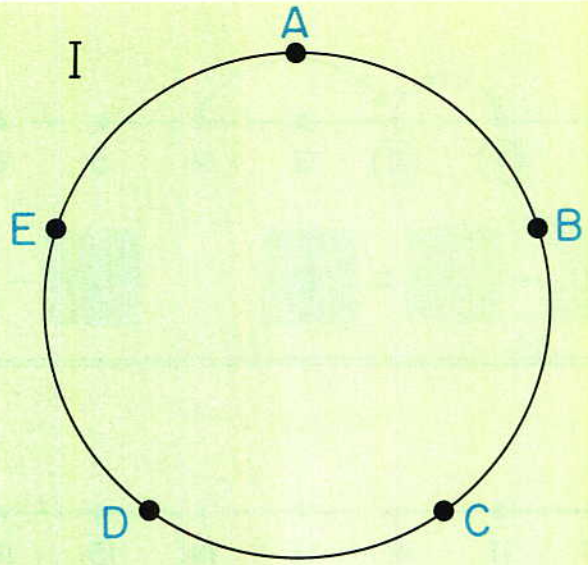
$53 - \square = 49$

$\square - 1 = 1$ $\quad 11 - \square = 1$ $\quad 31 - \square = 28$

$4 - 3 = \square$ $\quad \square - 6 = 7$ $\quad 46 - \square = 42$

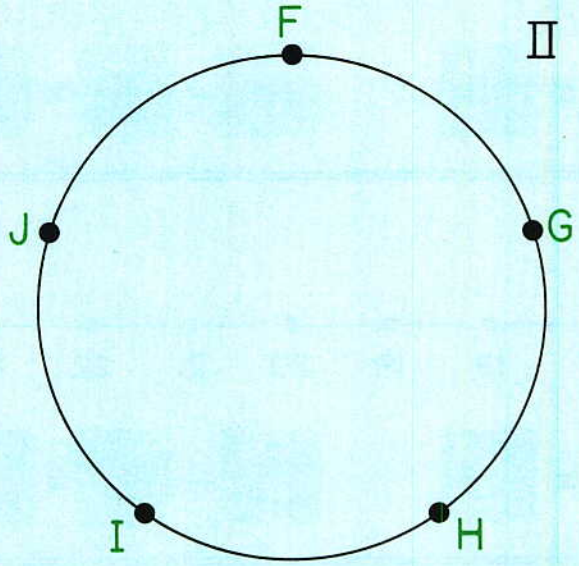
$8 - \square = 3$ $\quad 18 - 5 = \square$ $\quad \square - 0 = 50$

I



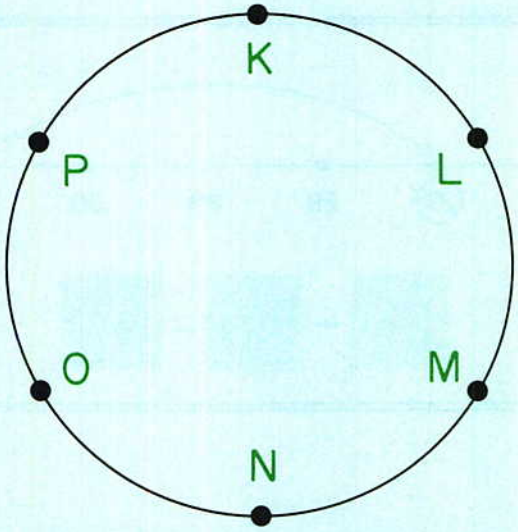
AB, BC, CD, DE and EA

II



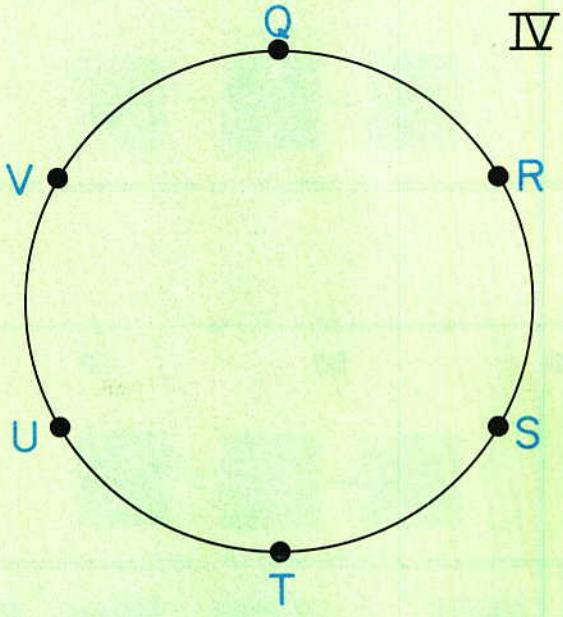
FH, HJ, JG, GI and IF

III



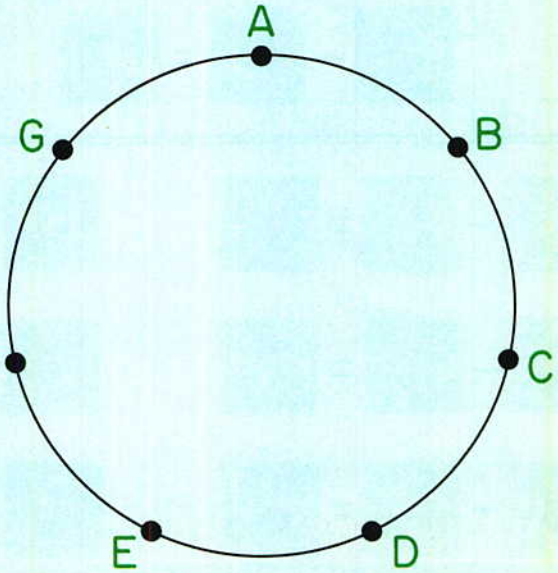
KL, LM, MN, NO, OP and PK

IV

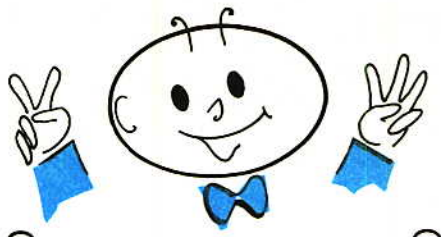


QS, SU, UQ, VR, RT and TV

V



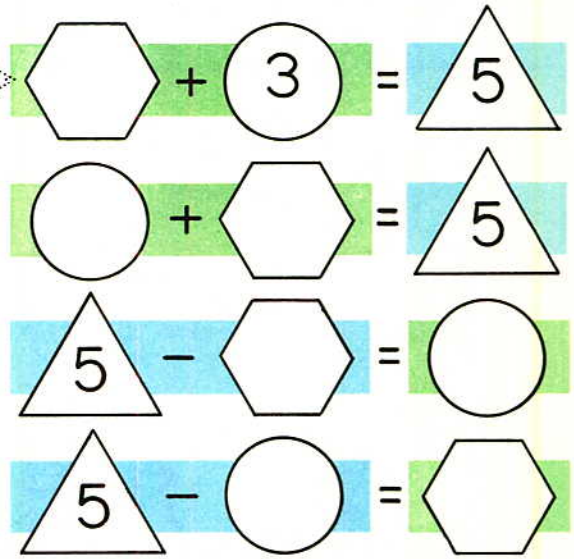
AD, DG, GC, CF, FB, BE and EA



$5 + 2 = __$ $\quad __ + 3 = 5$

$__ - 5 = 2$ $\quad 6 - __ = 5$

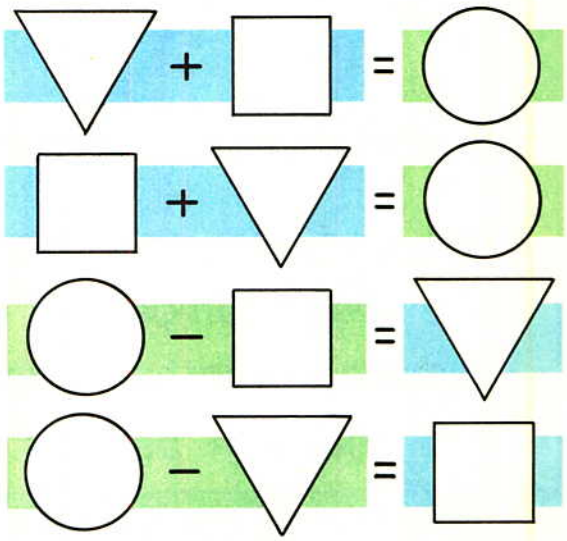
I have five pets. Two are dogs. The others are kittens.



$7 - __ = 3$ $\quad 3 + __ = 10$

$__ + 3 = 7$ $\quad 9 = 7 + __$

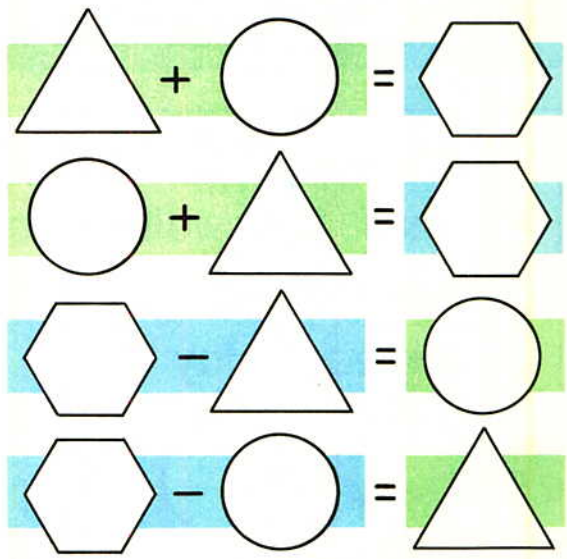
On our street, all the houses are blue or brown. Seven are blue. Three are brown.



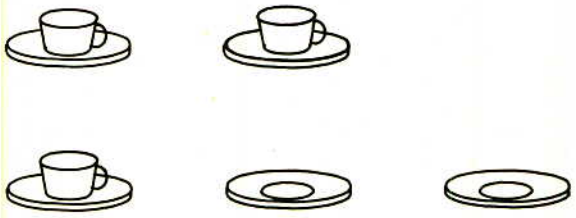
$6 + __ = 13$ $\quad 6 - 1 = __$

$1 + 7 = __$ $\quad __ - 6 = 6$

Mary had six books. Her sister had one more than Mary. How many did they have together?



8 − ○ = ⬡



⬡ + ○ = 8

□ − △ = ○

There were seven girls at the party. Two left early.

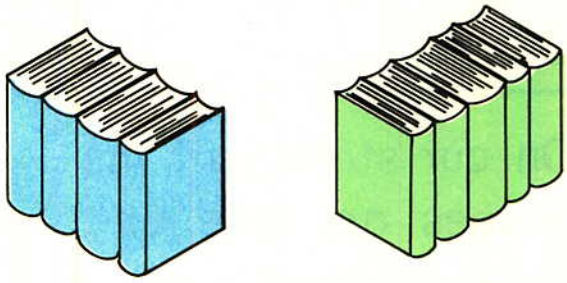
○ + △ = □

⬡ + ⬡ = △

Bill and Jim each had the same number of pennies. Together they had fourteen pennies.

△ − ⬡ = ⬡

○ + □ = ⬡



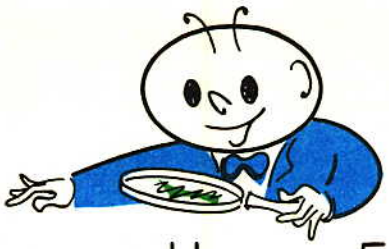
⬡ − ○ = □

Mary lived four blocks from school. She walked both ways. How far did she walk each day ?

○ ○ ⬡

My birthday is two weeks from today. How many days is that ?

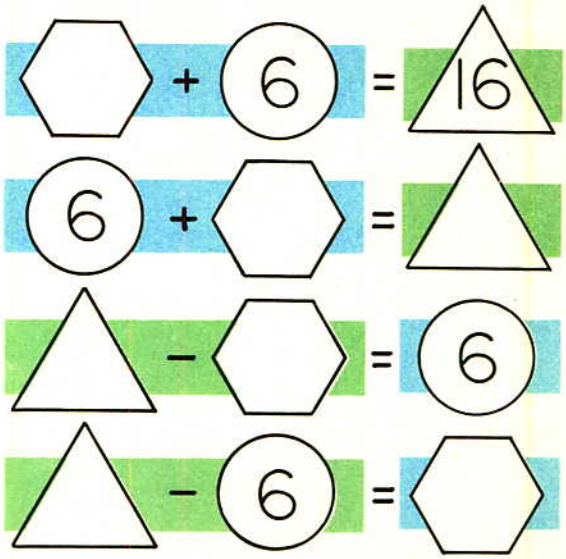
△ △ ◇



$10 - ___ = 4$ $\quad 5 + ___ = 10$

$8 + 9 = ___$ $\quad ___ + 6 = 16$

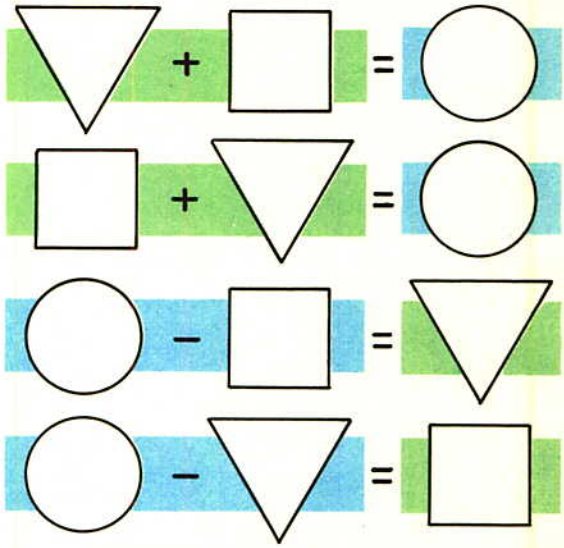
I have ten cents. I need six more cents so I can buy a set of pencils.



$15 + ___ = 20$ $\quad 7 + 7 = ___$

$10 + 10 = ___$ $\quad 20 - 3 = ___$

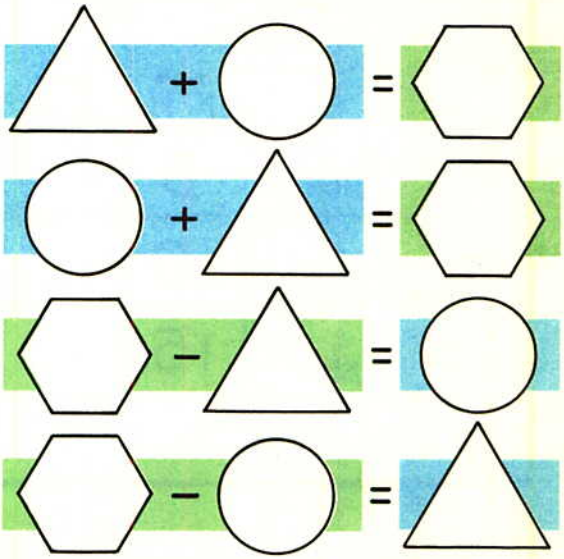
In my brother's class there are twenty children. There is the same number of girls as boys.



$___ - 7 = 4$ $\quad 7 + 5 = ___$

$12 - 6 = ___$ $\quad 12 + ___ = 15$

Mother baked twelve cup cakes. Some are blue. The rest are yellow. There are two more blue than yellow cup cakes.



Connect: A B F H C D E H A C E F G H B D F G

E

F

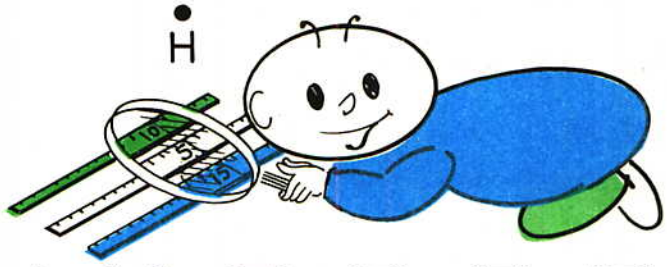
D

C

H

G

A B



	F H	F G	G H	A C	A B	E F	E H	B D	C D
Black	5								
Green	10								
Blue	15								